

CANADIAN INDUSTRY IN 1871

Ontario County Series #24

PERTH COUNTY INDUSTRIES, 1871 INDEX TO MANUSCRIPT CENSUS

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor



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The view of Whitevale, Township of Pickering, was chosen to illustrate Canadian industry in 1871. At this time, a high proportion of manufacturing activity was still located in small settlements, some of which were growing rapidly into towns. **Lovell's Directory** (1871) described Whitevale as:

A thriving village...[with] extensive flouring and woollen mills... Montreal Telegraph Co has an office here. Distant from Whitby, the county town, and a station of the Grand Trunk Railway, 13 miles. Mail daily. Population about 250.

Truman P. White has acquired the water rights at Majorville on Duffin's Creek in 1845 and developed a grist mill, a saw mill and, later, a woollen mill. By 1871 the census enumerated six significant industrial establishments employing 66 workers and with a total value of production amounting to \$125,000. The transition from waterwheels (70 horsepower) to steam engines (66 horsepower) was already apparent in the village by this date. In common with its counterparts across the country, Whitevale's basic industrial activities were closely associated with the local agricultural area. There was also considerable economic integration apparent in the ownership of several establishments by Truman P. White and in the making of staves in the sawmill for the cooper shop which in turn supplied the flour mill with basic containers for transporting the flour to market.

Unlike many of its contemporaries, Whitevale has remained about the same size ever since 1871. The 1971 census recorded a population of only 273 in the unincorporated settlement. Whitevale never achieved connection by railway, county road or provincial highway. Much of the surrounding land was acquired for the planned Pickering airport and new town in 1972/3 and today the settlement is threatened by the creation of a municipal solid waste dump for Metropolitan Toronto and the Durham Region.

The illustration was first published in the **Illustrated Historical Atlas of the County of Ontario** (Toronto: J.H. Bees and Co., 1877), reprinted Ross Cumming, 1972).

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CANADIAN INDUSTRY IN 1871 (CANIND71) PROJECT

Ontario County Series #24

**PERTH COUNTY INDUSTRIES, 1871
INDEX TO MANUSCRIPT CENSUS**

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor

Department of Geography

University of Guelph

Copies may be ordered from:

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CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

The first Census of Canada was taken at a time when the "hum of industry" was believed to be an essential sign of a community's progress, usually associated with the benefits of railway connections. Many people at this time seem to have shared Thomas Keefer's vision of "the civilizing tendency of the locomotive":

A town has been built and peopled by the operatives -- land rises rapidly in value -- the neglected swamp is cleared and the timber is converted into all sorts of wooden "notions" -- tons of vegetables, grains or grasses are grown where none grew before -- the patient click of the loom, the busy hum of the spindle, the thundering of the trip-hammer and the roaring of steam, are mingled in one continuous sound of active industry.¹

The CANIND71 database created from the manuscript census schedules of industrial establishments is used in this series to provide snapshots of industrial activity in Ontario just after Confederation, at a time of transition in technology, business organization and work discipline. The 36 Ontario counties varied in the amount and intensity of "active industry", depending on how long they had been settled, how much of their population lived in cities and towns, and how well connected they were by rail or water transport.

One title in the CANIND71 series of research reports has already examined the mix of industrial activity in Wellington County, Ontario, as a model for what might be done for any other place of similar size and population in Ontario, Quebec, New Brunswick or Nova Scotia.²

The reports in the Ontario County Series have less detailed description and analysis than the study of Wellington County and more tabulations of data compiled out of the CANIND71 database. The reports follow a similar format. First, features of the CANIND71 database, especially its geographical organization and industrial classification, are explained so that readers can understand tables for particular counties. Each county is defined and factors in its history, location and resources that influenced the amount and character of industry by 1870-1 are noted. Then the structure and characteristics of industry in that county are summarized under the headings of location and distribution, industry types, size structure of industrial units, use of water and steam power, workplace types, and leading firms. The appendices present aggregate data grouped by geographical location, industry classifications and specific industry types. Summary data for individual establishments are then listed for the whole county, alphabetically by the proprietor's name, with additional lists for establishments in each city, town or village.

¹ T.C. Keefer, Philosophy of Railroads (1850), edited with an introduction by H.V. Nelles (Toronto: University of Toronto Press, 1972), p. 9.

² Elizabeth Bloomfield and G.T. Bloomfield, The Hum of Industry: Millers, Manufacturers and Artisans of Wellington County CANIND71 Research Report 9 (Guelph: University of Guelph, Department of Geography, 1989).

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- 0-88955-272-X Peterborough County Industries, 1871: Index to Manuscript Census (#25 in series)
- 0-88955-273-8 Prescott & Russell County Industries, 1871: Index to Manuscript Census
(#26 in series)
- 0-88955-274-6 Prince Edward County Industries, 1871: Index to Manuscript Census
(#27 in series)
- 0-88955-275-4 Renfrew County Industries, 1871: Index to Manuscript Census (#28 in series)
- 0-88955-276-2 Simcoe County Industries, 1871: Index to Manuscript Census (#29 in series)
- 0-88955-277-0 Stormont, Dundas & Glengarry County Industries, 1871: Index to Manuscript
Census (#30 in series)
- 0-88955-278-9 Victoria County Industries, 1871: Index to Manuscript Census (#31 in series)
- 0-88955-279-7 Waterloo County Industries, 1871: Index to Manuscript Census (#32 in series)
- 0-88955-280-0 Welland County Industries, 1871: Index to Manuscript Census (#33 in series)
- 0-88955-281-9 Wentworth County Industries, 1871: Index to Manuscript Census (#34 in series)
- 0-88955-282-7 York County Industries, 1871: Index to Manuscript Census (#35 in series)
- 0-88955-283-5 Northern Districts Industries, 1871: Index to Manuscript Census (#36 in series)

INTRODUCTION TO THE CANIND71 DATABASE

The CANIND71 database is a machine-readable version of the original manuscript information for more than 45,000 industrial establishments counted in the first Census of Canada in 1871. This new source provides a wealth of information for the four provinces enumerated in 1871 -- New Brunswick, Nova Scotia, Ontario and Quebec. The 1871 census was the first to be taken on a consistent basis for the four provinces. Although similar information was collected in the Canadian censuses of 1881, 1891, 1901 and 1911, the manuscript schedules for industry have not survived. The 1871 census manuscripts are thus the only systematic source for industrial activity that survives in such detail from the nineteenth century. Moreover, the 1871 schedules contain a great deal of information that was never published at the time.

In using the CANIND71 data, we should understand the definitions and procedures used by the 1871 census enumerators:³

- * Industrial businesses found by the census enumerators as they made their rounds in early April 1871 were included, and details were recorded of their operations during the preceding twelve months.

- * An industrial establishment was defined as "a place where one or several people are employed in manufacturing, altering, making up or changing from one shape into another, materials for sale, use or consumption, quite irrespectively of the amount of capital employed or of the products turned out" (p. 138). No minimum value of output was set, in contrast to the United States censuses in the same period, for which only establishments with at least \$500 worth were included.

- * All repairs, mending or custom work were understood to be industrial products. Thus the definition of industrial activity was considerably broader than it would be in the twentieth century.

- * Numbers of workers or "employés" were defined to be the average number of persons actually working in the industrial establishment during the 12-month reporting period, and could consist entirely of members of the proprietor's family. The industrial workforce was subdivided by age and gender into men, women, boys (males under 16 years) and girls (females under 16 years), but the amount of wages paid to each age-gender group of worker was not separately stated.

- * Industrial establishments were recorded in the geographical units -- District, Sub-District or Division -- in which they were found "and nowhere else. The principle is essential in every case. The production is attached to the locality" (p. 139).

- * In reporting custom work such as tailoring or work done on toll such as that of some grist mills or carding mills, enumerators were told to state the real value of raw materials, even if these amounts did not pass through the accounts of the proprietor.

³ "Manual Containing the Census Act and Instructions to Officers Employed in Taking of the First Census of Canada, 1871," Canada Sessional Papers No. 64 (1871). Quotations are from this source.

* Though enumerators could specify the types, quantities and values of individual raw materials and products for each establishment, it was foreseen that in most cases only the aggregate dollar values of raw materials and products would be stated.

* Values of fixed capital and floating capital invested in the industrial business were distinguished rather than merged, and the number of working months was specified.

Only a very limited amount of the information collected in Schedule 6 of the 1871 census was published in the official census volumes of the 1870s.⁴ The statistical tables published at the time used various industrial types that were defined pragmatically rather than systematically, and then listed in alphabetical order. For each industry type, whether as specialized as whip making or as ubiquitous as blacksmithing, figures were published for numbers of establishments, hands employed, yearly wages, value of raw materials and value of products in each of 206 Census Districts.

No industrial data at all were published for smaller areal units such as the Census Sub-Districts, either as summaries of total industrial activity or for specific types of industry. Thus the only 1871 industrial information published for urban centres was for the six cities, the boundaries of which exactly coincided with those of one or more Census Districts. These were Montreal, Toronto, Hamilton, Ottawa, London and Kingston. Some information collected by the enumerators was never compiled into published tables, notably for types and horse-power units of inanimate power, months of operation during the reporting period, and "floating" capital distinguished from "fixed" capital. The published totals also understated the real extent and value of industrial activity as these can now be reconstituted from the manuscript census schedules.⁵

Database Variables

The CANIND71 database has made machine-readable information about all the industrial firms counted in Canada's first national census. For each establishment, there are up to 125 variables. The firms were located in 206 Census Districts and over 1600 Census Sub-Districts in Ontario, Quebec, New Brunswick and Nova Scotia. All details recorded by the enumerators on the manuscript census schedules have been included as basic variables in the CANIND71 database. These are: name of proprietor, kind of industrial business, geographical location, use of non-manual forms of power, numbers of workers (distinguished into men, women, boys and girls), number of working months in the year, and the dollar amounts of fixed and floating capital invested, wages, raw materials and products, as well as kinds, quantities, units of measurement and values of individual raw materials and products, and additional remarks or comments.

In addition to the information transcribed from the census manuscripts, the CANIND71 database contains several variables derived by calculation or inference from the basic variables. These include the total values of raw materials or of products

⁴ Census of Canada 1871, volume III, Tables 28-55.

⁵ For a more detailed discussion of the 1871 Census procedures and a comparison of the published and manuscript data for industry in 1871, see Creating CANIND71: Procedures for Making the 1871 Census Machine-Readable (Research Report 4, 1989).

(when only details for component products or materials had been stated on the manuscript schedules), the value added (gross value of output less costs of raw materials when both these figures were reported), the total number of employees, and the average monthly wage per employee.

Geographical Organization

The original descriptions of geographical areas defined for the 1871 Census were researched to ensure that the codes and place names were entered accurately and consistently into the database. For ease in returning to the original schedules, we adopted the same code letters and numbers that were used in 1871 to describe the Census Districts, Census Sub-Districts and Census Enumerators' Divisions. The 206 Census Districts were intended to correspond with the Electoral Districts defined under the British North America Act 1867.⁶ Census Districts were divided into 1,701 Census Sub-Districts, which were intended to correspond with Municipal or other recognized divisions -- towns, villages, townships or city wards in Ontario, for example. The Census Sub-Districts were subdivided into nearly 3,000 Census Enumerators' Divisions, but these were defined for convenience of census-taking rather than to coincide with any other system of defining areas and no maps or written descriptions of these units have survived.⁷

Details of Census District name (with variable name CDISTRIC) and number (CDID), Census Sub-District name (CSD) and Census Enumerator's Division (CED) were coded for each manuscript record as it was entered into the CANIND71 database. Usually this information was written by the census enumerators on the manuscript schedules. But we had to standardize the names and codes for computer processing. We numbered the Census Districts in the same sequence from 001: Essex in southwest Ontario to 206: Richmond, Nova Scotia. Census district numbers in Ontario were prefaced with the letter O. We also adopted the same code letters and numbers that were used to describe the smaller Census Sub-Districts and Census Enumerators' Divisions in 1871. Municipal status was abbreviated as V-Village, T-Town (or Ville), C-City and Tp-Township. In the case of CSDs with the same principal name, they are distinguished by the directional abbreviations following the place name, such as N for North or Nord, S for South or Sud, E for East or Est, W for West.

Industrial Classification

The census enumerators used natural language to describe the kinds of establishment and industrial raw materials and products they encountered.⁸ In creating the CANIND71 database, we entered the enumerators' words into the computer record, but we also assigned standardized codes to each record to denote industry types and major groups more precisely and consistently. These codes are vital for analysis of the data.

⁶ Statutes of Canada, 33 Vict. 1870, Cap. 21, s. 4.

⁷ See G.T. Bloomfield, Boundaries of Canadian Census Units in 1871 (CANIND71 Research Report 10, 1990).

⁸ See Glossary of Industrial Language (CANIND71 Research Report 5, 1989) and French-English Dictionary of Industrial Language (CANIND71 Research Report 6, 1989).

Each record in the CANIND71 database has been assigned a code according to the 1970 Standard Industrial Classification Manual of the Canada Dominion Bureau of Statistics.⁹ Understandably, there were some problems in applying a 1970 classification to the conditions of a century earlier. Changes in technology have eliminated some industry types that were common in 1871. The more rudimentary level of economic and business organization in 1871 meant that many enterprises combined industrial activities that would typically be separated in specialized businesses by 1970. Repair of all kinds of goods and equipment was more integrally associated with manufacture in 1871.

The appropriate SIC code for each record was determined by study of both the stated kind of establishment and the actual products and raw materials reported in each case. Wherever possible, we chose the SIC code that best matched the actual outputs of the business as reported for the year ending March 31, 1871. The "kind of establishment" information alone could be quite misleading, as this term was sometimes an occupational label that did not really describe the actual products. For example, a business might be described very generally as a "foundry", which would rate a code of "294" only if its products were primarily iron castings. More typically, the products of so-called foundries in 1871 were fabricated metal products such as stoves (307-S) or general machinery (315) or agricultural implements (311). In another example, one who was by trade a blacksmith and so recorded in the "kind of establishment" column may have had opportunities to make all kinds of metal goods, often including carriages and wagons. If he made definite numbers of carriages or other items of transportation equipment, his business would be assigned the appropriate and more specific SIC code of "329" rather than "896" which would be assigned for a blacksmith engaged only in "country work and repairs".

We adapted the 1970 system to the 1871 context in two main ways. First, suffixes of hyphen and capital letter could be added to the basic 3-digit code to give greater specificity, a brewery (109-B) being distinguished from a distillery (109-D) for example. Second, an establishment that combined two or more products or services was given a compound SIC code, consisting of the two most important linked by a slash (/), so that a flour mill-cum-distillery is represented as "105/109-D".

These elaborations of the basic classification system resulted in a total list of over 700 specific codes that were used to describe the 45,070 firms in the four provinces in 1871. A few of these codes were shared by large numbers of establishments. Thus 5,254 blacksmiths were assigned the SIC code of "896", 5,088 saw mills had the basic code of "251", and 4,189 shoemakers were coded "174". Some 2,830 handloom weavers were given the code "182-W", 2,527 carriage and wagon makers were coded "329", and 2,098 flour mills share the code "105". Basic SIC codes assigned to at least 50 industrial establishments throughout Canada are listed in Table 1. At the other extreme, some significant enterprises had codes that were unique for Canada.

⁹ For a more detailed discussion of our use of SIC codes, see G.T. Bloomfield, Standard Industrial Classifications Applied to Historical Data (CANIND71 Research Report 7, 1989). The CANIND71 classification is based on Dominion Bureau of Statistics, Standard Industrial Classification Manual (Ottawa, 1970); for French-language equivalents we consulted Statistique Canada, Classification type des industries (Ottawa, 1990).

Table 1
STANDARD INDUSTRIAL CLASSIFICATION (1970) ADAPTED FOR 1871:
 short list of codes with at least 50 occurrences in CANIND71 database

101-P	Pork Curing/Packing	Salaison de porc
102	Fish Curing	Salaison de poisson
104	Cheese Factories	Fromageries
105	Flour/Grist Mill	Farine, Moulin à
105-O	Oatmeal Mill	Avoine, Moulin d'
107	Bakeries	Boulangeries
108-C	Confectionery	Confiserie
109-B	Brewery	Brasserie
109-S	Aerated Water	Eaux gazeuses
153	Tobacco Working	Tabac, Manufacture d
172	Tanneries	Tanneries
174	Boots/Shoes	Bottes/Souliers
179-S	Saddle/Harness Making	Selles]
182	Woolen Cloth Factories	Drap, Fabriques de
182-W	Weaver	Tisserand
189-W	Carding/Fulling Mills	Carder/fouler, Moulins à
239-K	Stockings/Mittens/Hand Knitter	Bas/Mitaines/Tricoteur
242	Clothing	Habillements
243	Tailors/Clothiers	Habillements pour hommes
246	Furrier/Hatter	Pelleterie/Chapellerie
249-M	Milliner	Modiste
251	Saw Mill	Moulin à scie
251-S	Shingle Making	Bardeaux, Confection de
254	Sashes/Doors/Blinds	Portes/Fenêtres
256	Basket Making	Vanneries
259	Wood Products, Misc	Produits de bois, divers
259-C	Cooperage	Tonnellerie
259-W	Wood Turning Establishments	Tours à bois
261	Cabinets/Furniture	Meublerie
286	Printing office	Imprimerie
287-B	Book Binding	Reliure
289	Printing/Publishing incl newspapers	Imprimerie/Publication de
294	Foundry/Castings	Fonderie/Fonte
304-T	Tinsmith	Ferblantier
306	Agricultural Hand Tools	Outils agricoles manuels
306-T	Axes	Haches
307-S	Stoves	Poêles
309	Metal Fabricating, Misc	Fabrication de métaux
311	Agricultural Implements	Instruments aratoires
315	Machinery, Misc	Machinerie/Équipement
315-H	Spinning Wheels	Rouets
315-P	Pumps	Pompes
327	Ship Yards	Navires, Construction de
327-M	Ship Material	Appareux de navire
328	Boat Building	Chaloupes, Construction
329	Carriage Making	Carrosserie
329-P	Wheels (* and other parts)	Roues
351-B	Brick/Tile Making	Briqueterie/Tuilerie
351-P	Pottery	Poterie
353	Stone/Marble Establishments	Marbrerie
358-L	Lime Kilns	Fours à chaux
365	Oil Refineries	Épuration de l'huile
374	Drugs	Drogues
376	Soap/Candle Making	Savonneries/Chandelleries
378-P	Pot/Pearl Asheries	Potasseries
392	Jeweler/Watchmaker	Bijoutier/Horloger
421-C	Carpenter/Joiner (buildings)	Charpentier (bâtiments)
421-D	Painter/Glazier	Peintre en bâtiments
893	Photographic galleries	Photographies
896	Blacksmithing	Forges

The SIC codes were generalized into the 26 Major Industry Groups (or SECs) that were also coded for each record (Table 2). This table also reflects the inclusion by the 1871 census enumerators of a wider range of industrial activities and processes than would be defined as manufacturing industry today. Eighty-six per cent of the establishments are classified in the Major Group 5 for Manufacturing Industry, with SIC codes between 101 and 399, accounting for 95 per cent of the total value of industrial output in 1871.

Table 2
**STANDARD INDUSTRIAL CLASSIFICATION:
MAJOR GROUPS AND SIC CODES**

Major Group SEC	SIC codes
Division 1 Agricultural Services	021-029
Division 2 Forestry	031-039
Division 3 Fishing	041-049
Division 4 Mines, Salt Wells etc	051-099
Division 5 Manufacturing Industries	
5.01 Food and Beverages	101-109
5.02 Tobacco Products	151-159
5.04 Leather Industries	171-179
5.05 Textile Industries	181-189
5.06 Knitting Mills	231-239
5.07 Clothing Industries	241-249
5.08 Wood Industries	251-259
5.09 Furniture Industries	261-269
5.10 Paper Industries	271-279
5.11 Printing and Publishing	281-289
5.12 Primary Metal Industries	291-299
5.13 Metal Fabricating	301-309
5.14 Machinery Industries	311-319
5.15 Transportation Equipment	321-329
5.17 Non-metallic Minerals	351-359
5.18 Petroleum & Coal Products	361-369
5.19 Chemical Industries	371-379
5.20 Miscellaneous Manufactg	391-399
Division 6 Construction Industry	401-499
Division 7 Gas and Water Utilities	572-579
Division 8 Trade (incl repair)	601-699
Division 10 Personal/business services	861-899

Using the SIC and geographical codes, data for individual establishments can be aggregated in all sorts of ways. In the sample records and tables presented in this report, we use the same variable names as in the CANIND71 database. They are explained in Table 3.

Table 3
VARIABLE NAMES IN CANIND71 DATABASE

Abbreviated code names for variables in the CANIND71 database are used in various tables in this report. A brief explanation of each code name follows:

AVWAGE:	Average monthly wage per worker in a firm, place or type of industry.
CDID:	Census district number used in 1871 census.
CDISTRIC:	Census district name used in 1871 census.
CED:	Census enumerator's division, a small part of a census district.
COMMENTS:	Additional remarks or comments for a firm entered in manuscript schedule.
EMPBOY:	Boys (males under 16 years) employed in industrial activity.
EMPGIRL:	Girls employed (females under 16 years) in industrial activity.
EMPMEN:	Men (males over 16 years) employed in industrial activity.
EMPWOM:	Women (females over 16 years) employed in industrial activity.
FIXCAP:	Value of fixed capital reported by proprietors.
FLOCAP:	Value of floating or working capital reported by proprietors.
FORCE:	Units (in "horse power" equivalents) of non-manual power reported by proprietors.
MONTH:	Number of working months in year.
OBSERV:	Observation, unit or record in a database; in the case of CANIND71 means individual industrial establishment.
PROD1:	Named type of product, first to Nth, as numbered.
PROPRIOR:	Name of proprietor as stated in census schedules.
PQUANT1:	Quantity of named product, first to Nth, as numbered.
PUNIT1:	Unit of measurement of named product, first to Nth, as numbered.
PVALUE1:	Value of named product, first to Nth, as numbered
RAWMAT1:	Named type of raw material, first to Nth, as numbered.
RQUANT1:	Quantity of named raw material, first to Nth, as numbered.
RUNIT1:	Unit of measurement of named raw material, first to Nth, as numbered.
RVALUE1:	Value of named raw material, first to Nth, as numbered.
SEC:	Major industry group, derived from combinations of SIC codes.
SIC:	Standard Industrial Classification.
SUMPROC:	Value of industrial production (\$).
SUMRAWC:	Value of raw materials used in industry (\$).
TOTEMP:	Total number of employees, the sum of EMPMEN, EMPWOM, EMPBOY and EMPGIRL.
TYPEEST:	Type of establishment as stated by enumerator in census schedules.
TYPEPOW:	Type of power reported: steam, water, horse, W/S (water/steam).
VADD:	Value added in manufacturing (\$) = production \$ - raw materials \$.
WAGES:	Wages paid to industrial workers (\$).

ACKNOWLEDGEMENTS

Between 1982 and 1990, the CANIND71 Project based in the Department of Geography of the University of Guelph, computerized the full data for some 45,000 industrial establishments that were enumerated in Canada's first national census in 1871. We appreciate the shelter and support provided to the project by the Department of Geography. Creation and documentation of the CANIND71 database were substantially assisted by several grants from the Social Sciences and Humanities Research Council of Canada between 1985 and 1989. The most substantial of these were Grants 482-87-0010 and 482-88-0010 to Elizabeth Bloomfield as principal investigator. In a new phase of the project, computer method, led by Gerald Bloomfield and supported by SSHRCC funds, computer methods of mapping the historical data are being developed.

The interest and support of all who have assisted with this project are gratefully acknowledged. Janine Grant, Barbara Sibley, Jane Turner, Jane Darch and Stephen Bellinger worked for the project for significant periods, and the quality of the final database owes much to their careful and thorough work. Peter McCaskell, first as programmer-analyst in the Department of Geography and then from the University's Computing Services, played an essential role in database management and programming through all phases of the project. Mario Finoro, chief technician of the Department of Geography, has assisted in the acquisition, setting up and maintenance of the equipment. The computer maps in this series are the work of Larry Laliberté, while the graphs of industrial structure were produced in final form by Marie Puddister.

Elizabeth and Gerald Bloomfield

PERTH COUNTY INDUSTRIES, 1871

Consisting of the narrower, eastern portion of the Huron Tract opened for settlement in the 1820s and 1830s, Perth County was quite maturely developed by 1871. Its rural population, which peaked at this time, was distributed at an average density of 43 persons per square mile, similar to Elgin, Norfolk or Wellington Counties. While mainly agricultural, Perth County also had several significant urban centres and a fair level of industrial activity. The county's mean value of industrial production per capita (\$55.30) was considerably lower than the mean for Ontario (\$74.00), but the average number of workers and average output in each industrial unit were about the same. Perth County was among the earliest parts of Ontario to be traversed by a railway - the Brantford, Buffalo and Goderich Railway (part of the Grand Trunk system by 1871) and the Grand Trunk Railway itself from the mid-1850s.¹⁰

Census and Municipal Units

Census Districts were defined to match federal electoral districts rather than counties in 1871. However, the component Sub-Districts matched the smaller municipal units of townships, towns, villages or city wards. Perth County was divided among the two Census Districts of Perth South (consisting of five townships, the town of St Marys and the village of Mitchell) and Perth North (six townships, the county town of Stratford and the village of Listowel). The Census Sub-Districts of Perth County are shown in Figure 1 and their basic statistics of area (sq mls), population (pop), industrial establishments (est) and industrial employees (empl) are set out in Table 4.

Location and Distribution

Twenty-two per cent of the county's 46,536 people lived in the towns of Stratford (4,313) or St Marys (3,120) or the villages of Mitchell (1,802) or Listowel (976). Workers in these four centres produced two-thirds of the county's total value

¹⁰ A full bibliography of the historical development of industry in each community cannot be given here, but items in the following list consider industry historically among other topics in the county as a whole or in specific towns or villages.

Johnston, Charles M. Brant County: A History, 1784-1945 (Toronto: Oxford University Press, 1967).

Johnston, William, History of the County of Perth from 1825 to 1902 (Stratford, 1903; reprinted 1976)

Johnston, Walter S. and Hugh J.M. Johnston, History of Perth County to 1967 (Stratford: County of Perth, 1967).

Leitch, Adelaide, Floodtides of fortune: the story of Stratford and the progress of the city through two centuries (Stratford: City of Stratford, 1980).

Wilson, L.W. and L.R. Pfaff, St Marys-on-the-Thames (Erin: Boston Mills Press, 1981).

The information contained in this report about proprietors of industrial establishments in 1871 may be related to the valuable index of all household heads in the same year that is provided in Index to the 1871 Census of Ontario: Perth (Toronto: Ontario Genealogical Society, 1991).

of industrial output. While the largest industrial enterprises were usually located in incorporated towns and villages, industry was also dispersed in smaller central places scattered through the rural areas. The census manuscript schedules do not specify location in such smaller, unincorporated centres but it can be useful when comparing the census data with information from other sources to know which hamlets and villages were included in particular Census Sub-Districts (Table 5).¹¹ The only unincorporated village with more than 500 population was Carronbrook, later renamed Dublin (1,000).

Table 4

PERTH COUNTY: CENSUS DISTRICTS AND SUB-DISTRICTS, 1871

CDID	CED	CENSUS SUB-DISTRICT	SQM	POP	EST	EMPL
** CENSUS DISTRICT O029: PERTH SOUTH						
O029	A	BLANCHARD TOWNSHIP	74.80	3905	20	44
O029	B	ST MARYS TOWN	4.13	3120	76	403
O029	C	HIBBERT TOWNSHIP	66.10	3416	15	47
O029	D	FULLARTON TOWNSHIP	62.67	2903	19	44
O029	E	MITCHELL VILLAGE	6.25	1802	38	279
O029	F	DOWNIE TOWNSHIP	79.45	3738	21	51
O029	G	EASTHOPE SOUTH TOWNSHIP	38.57	2275	18	64
** CENSUS DISTRICT O030: PERTH NORTH						
O030	A	LOGAN TOWNSHIP	83.67	3199	17	65
O030	B	ELLICE TOWNSHIP	86.82	2886	23	96
O030	C	STRATFORD TOWN	3.59	4313	82	544
O030	D	EASTHOPE NORTH TOWNSHIP	68.66	2998	36	91
O030	E	ELMA TOWNSHIP	104.89	3616	35	121
O030	F	MORNINGTON TOWNSHIP	79.26	3808	38	78
O030	G	WALLACE TOWNSHIP	80.50	3581	42	78
O030	H	LISTOWEL VILLAGE	3.13	976	35	164

Industry Types

Using the Standard Industrial Classification (SIC) code of each record and the more generalized Major Industry Group (SEC), it is possible to describe and compare the industrial structures of places from whole provinces to local townships and villages. In coding all the industrial establishments of Perth County, 58 different basic SIC codes (including suffixes, but trimming compounds) are used. In all of Ontario, a total of 172 such codes are used, and 196 in all of Canada.

¹¹ For a more detailed discussion of the location of smaller villages and hamlets in relation to the 1871 Census units, see G.T. Bloomfield, Ontario Central Places in 1871: A Gazetteer Compiled from Contemporary Sources (CANIND71 Research Report 13, 1990).

Table 5: PERTH COUNTY: CENTRAL PLACES, 1871

<u>Place</u>	<u>Population</u>	<u>Township</u>	<u>CSD</u>	<u>Sources</u>	<u>Lat.</u>	<u>Long.</u>
ANDERSON	.	Blanchard	29A	P	43 18	81 14
AVONBANK	.	Downie	29F	P	43 20	81 08
AVONTON	20	Downie	29F	L P	43 21	81 05
BORNHOLM	100	Logan	30A	D L P	43 32	81 09
BRODHAGEN	200	Logan	30A	L P	43 33	81 12
<i>also spelled Broadhagen</i> BRUNNER	50	Ellice	30B	D L P	43 31	80 55
BURNS	50	Mornington	30F	D L P	43 37	80 51
CARLINGFORD	100	Fullarton	29D	D L P	43 23	81 09
CARRONBROOK	1000	Hibbert	29C	D L M	43 31	81 17
<i>later Dublin; on boundary with Logan Tp, Perth Co and McKillop Tp, Huron Co</i> CARTHAGE	70	Mornington	30F	D L P	43 40	80 51
CONROY	150	Downie	29F	D L P	43 18	81 03
CROMARTY	100	Hibbert	29C	D L P	43 26	81 21
DONEGAL	100	Elma	30E	L P	43 37	80 57
DRYDEN	50	Wallace	30G	L P	43 48	80 53
EDGECOMBE	.	Mornington	30F	D P	43 36	80 54
FAIRVIEW	75	Downie	29F	L P	43 17	80 57
<i>on boundary with West Zorra Tp, Oxford Co</i> FULLARTON	160	Fullarton	29D	D L P	43 23	81 14
<i>also known as Summervale; formerly Summerville (C)</i> GADSHILL	80	Easthope N	30D	D L P	43 26	80 55
<i>formerly The Ridge; on boundary with Ellice Tp</i> GOWANSTOWN	50	Wallace	30G	L P	43 46	80 55
HAMMOND	10	Elma	30E	L P	43 39	80 57
<i>formerly and later Gotham (C)</i> HAMPSTEAD	10	Easthope N	30D	D L P	43 27	80 50
<i>formerly Grant's Corners (C)</i> HARMONY	80	Easthope S	29G	L P	43 54	78 50
KASTNERVILLE	50	Downie	29F	D L	43 24	81 03
<i>on boundary with Ellice Tp</i> KINKORA	100	Ellice	30B	L P	43 28	81 04
<i>formerly St Patricks (C)</i> KIRKTON	200	Blanchard	29A	D L P	43 20	81 19
<i>on boundary with Usborne Tp, Huron Co</i> LISBON	100	Easthope N	30D	D L P	43 28	80 47
<i>on boundary with Wilmot Tp, Waterloo Co</i> LISTOWEL	976	Listowel V	30H	D L B	43 44	80 57
<i>formerly spelled Listowell; formerly Mapleton (C2), Windham (C2)</i> MILLBANK	300	Mornington	30F	D L M	43 34	80 50
MITCHELL	1802	Mitchell V	29E	D L M	43 28	81 12
MOLESWORTH	60	Wallace	30G	D L P	43 47	81 04
<i>on boundary with Grey Tp, Huron Co</i>						

MONKTON	200	Logan	30A	D L P	43 35 81 05
on boundary with Elma Tp					
MORNINGDALE MILLS	50	Mornington	30F	D L P	43 35 80 50
also known as Morningdale (C2)					
MOTHERWELL	100	Fullarton	29D	D L P	43 20 81 11
MUSSELBURG	36	Mornington	30F	D L P	43 31 80 51
NEWRY	75	Elma	30E	D L P	43 39 81 02
NITHBURG	100	Easthope N	30D	D L P	43 28 80 49
formerly Brown's Mills (C)					
POOLE	200	Mornington	30F	D L P	43 31 80 52
PROSPECT HILL	.	Blanchard	29A	D	43 13 81 14
formerly Fish Creek (C2)					
SEBASTOPOL	.	Easthope S	29G	D	43 20 80 50
SEBRINGVILLE	500	Ellice	30B	D L P	43 24 81 04
formerly Black Creek; on boundary with Downie Tp					
SHAKESPEARE	400	Easthope S	29G	D L M	43 22 80 49
on boundary with North Easthope Tp					
SHIPLEY	100	Wallace	30G	D L P	43 47 80 57
ST MARY'S	3120	St Marys T	29B	D L B	43 15 81 08
STAFFA	10	Hibbert	29C	D L P	43 26 81 20
formerly Spring Hill (C)					
STOWE	100	Logan	30A	L P	43 37 81 09
later Carmunnock (C); on boundary with Elma Tp, Perth Co and Grey Tp, Huron Co					
STRATFORD	4313	Stratford T	30C	D L B	43 22 80 57
TAVISTOCK	500	Easthope S	29G	D L M	43 19 80 50
formerly Freiburg, Inkerman; on boundary with East Zorra Tp, Oxford Co					
TOPPING	280	Mornington	30F	L P	43 30 80 52
on boundary with North Easthope Tp and Ellice Tp					
TOTNES	.	Ellice	30B	D	43 27 81 02
later Wartburg, mainly after 1869					
TRECASTLE	90	Wallace	30G	D L P	43 47 80 48
on boundary with Maryborough Tp, Wellington Co					
TROWBRIDGE	150	Elma	30E	D L P	43 44 81 02
WALLACE	.	Wallace	30G	P	43 45 80 52
also known as Wallaceville (C2)					
WALLACEVILLE	50	Wallace	30G	L	43 45 80 52
also known as Wallace (C2)					
WARTBURG	200	Ellice	30B	L P	43 27 81 02
formerly Totnes, mainly until 1869					
WEST'S CORNERS	150	Mornington	30F	D L P	43 34 80 55
later Milverton					
WOODHAM	100	Blanchard	29A	D L M	43 18 81 19

Note: Lat = Latitude; Long. = Longitude.

Three primary sources were used to generate this list of places for 1871:

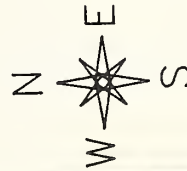
R.G. Dun and Co.'s Mercantile Agency Reference Book (D);

Lovell's Canadian Dominion Directory for 1871 (L);

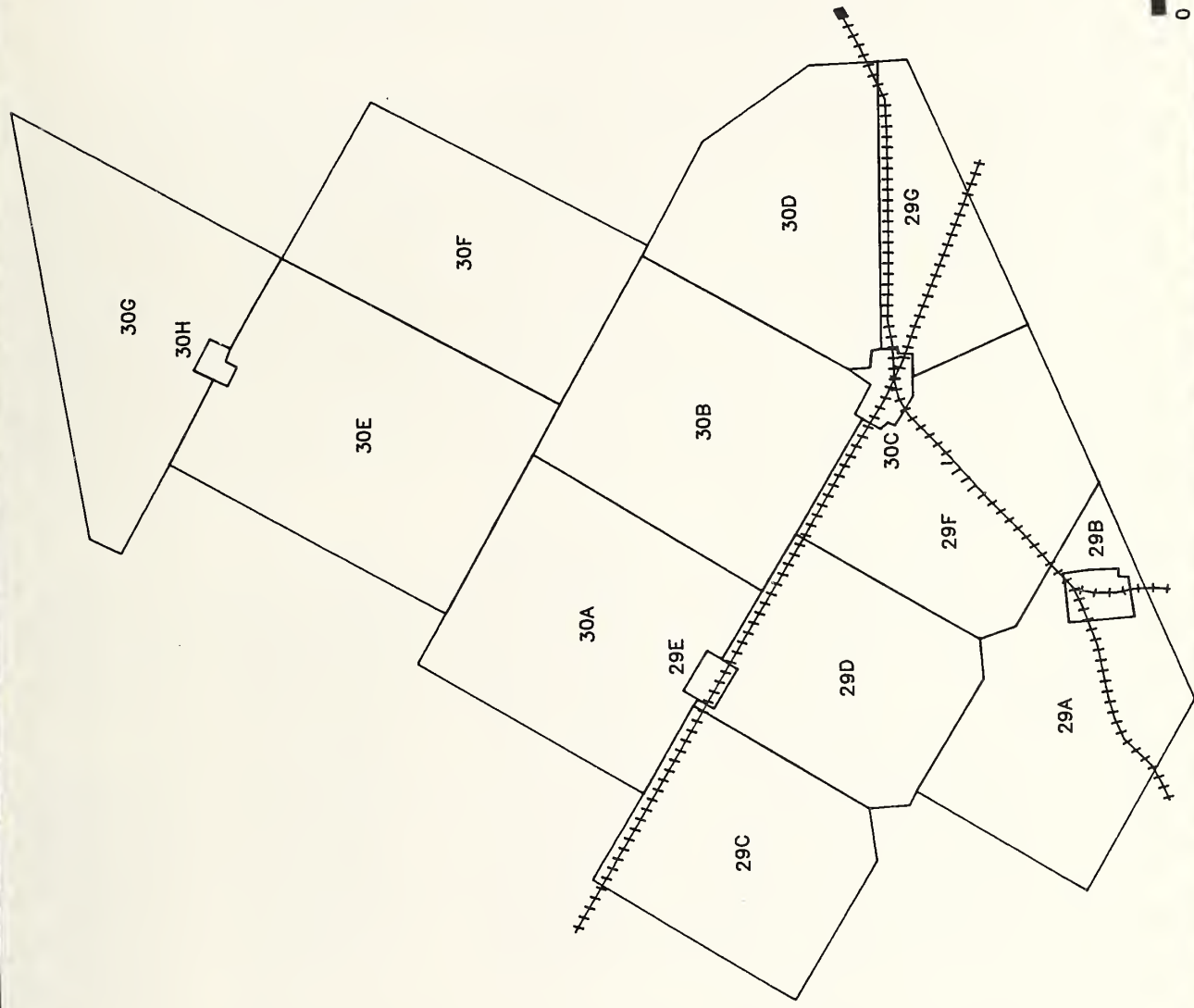
Canadian Almanac and Repository of Useful Knowledge 1871 (P for ordinary post office, M for post office that could issue money orders, B for post office with savings bank function).

PERTH COUNTY

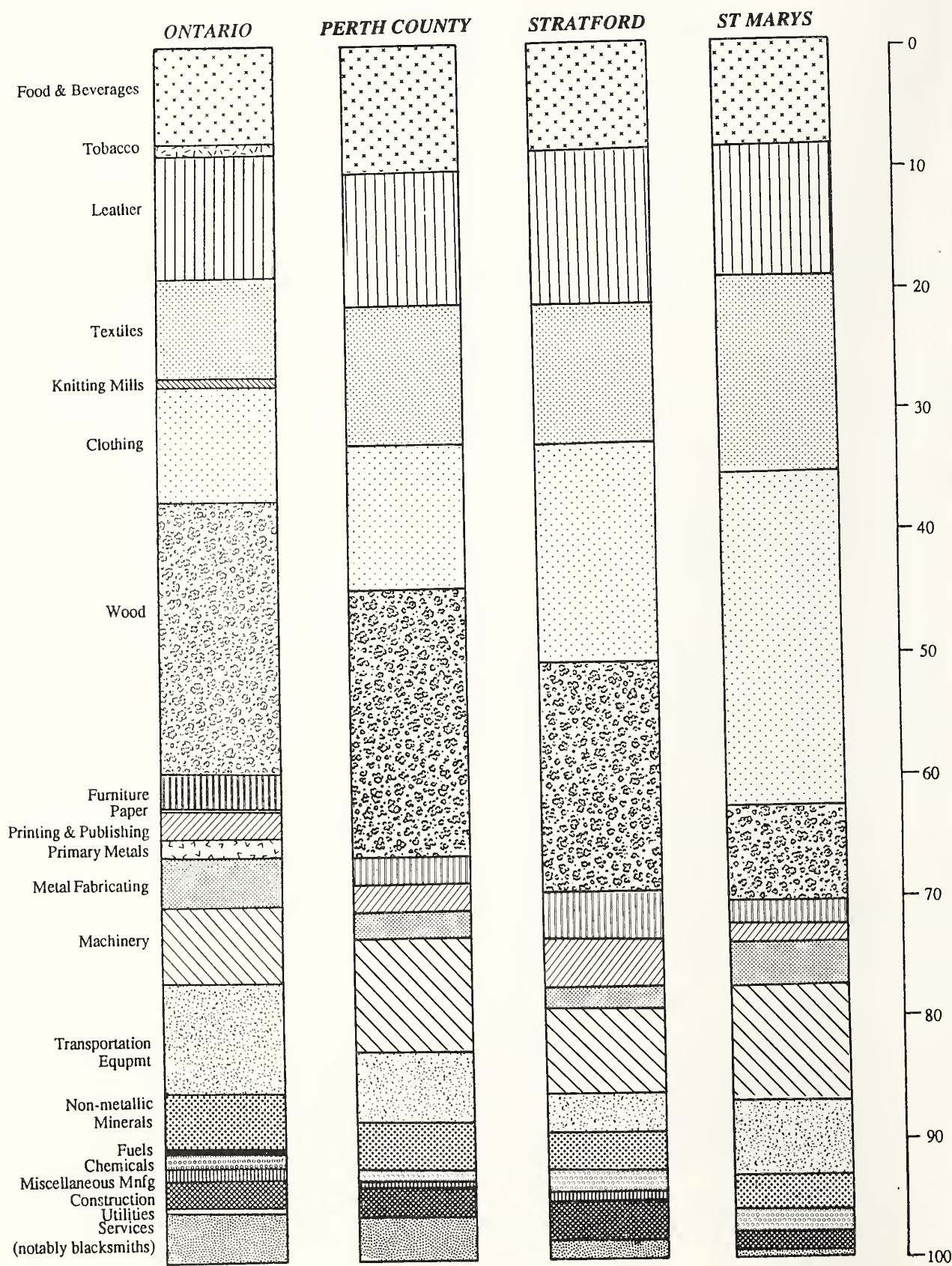
PERTH
 29A BLANCHARD
 29B ST MARYS T
 29C HIBBERT
 29D FULLARTON
 29E MITCHELL V
 29F DOWNIE
 29G EASTHOPE S
 30A LOGAN
 30B ELLICE
 30C STRATFORD T
 30D EASTHOPE N
 30E ELMA
 30F MORNINGTON
 30G WALLACE
 30H LISTOWEL V



CANIND71



COMPARATIVE INDUSTRIAL STRUCTURES: Percentages Employed in Major Industry Groups (SECs)



When Perth County's industrial structure is compared with that of the whole province, we find that a mix generally typical of rural farming areas with several sectors distinctively stronger in the county than generally in the province. Figure 2 has been designed to show these differences as clearly as possible, using major industry groups (SECs in the database). Textiles and machinery were the two sectors which in Perth County employed at least 1.5 times their share in Ontario as a whole, while food and beverages, leather and clothing were more slightly over-represented.

The diagram also illustrates the industrial structures of Stratford and St Marys in relation to those of Perth County and Ontario. Some of the differences in industrial structure between the towns and whole county reflect urban-rural contrasts. Textile mills (and other cloth production) were typically located in rural areas and small villages, while the making of clothing was concentrated in urban places. Construction activity was also more intensive in the larger towns and cities, while blacksmiths were more typical in the countryside than in the towns. Neither town had above-average industrial employment, but St Marys clearly specialized in clothing and, to a smaller degree, in textiles and machinery. As county town, Stratford was less highly industrialized and more diversified, but with some strength in clothing and in printing and publishing. The villages of Mitchell and Listowel both had above-average shares of their populations employed in industry and had measurable specializations in particular sectors, Mitchell in agricultural implements and Listowel in flax-milling.¹²

Size of Establishment

Most of Perth County's industrial establishments were small craftshops -- blacksmiths, tinsmiths, bakers, saddlers, shoemakers, tailors, milliners, weavers and knitters, coopers, carpenters, carriage and wagon makers. Nearly four in every five of the county's workplaces reported five or fewer employees, but this proportion was somewhat lower in Perth County than in Ontario generally.

Perth County's largest industrial enterprise ranked among the top one per cent of all in Canada in the three measures of employment, value of output and value added.¹³ The Thompson and Williams factory in Mitchell employed 106 workers making agricultural machinery and engines worth \$150,000 in 1871; the business would be bonused away to Stratford in the mid-1870s. In addition, seven factories or manufactories employed between 26 and 50 workers -- three in St Marys and four in Stratford in clothing, foundries or the processing of wood or flax.

¹² For analysis of the urban concentration of industry and of differences between specific urban centres, see Elizabeth Bloomfield and G.T. Bloomfield, The Ontario Urban System at the Onset of the Industrial Era (CANIND71 Research Report 3, 1989).

¹³ See Elizabeth Bloomfield and G.T. Bloomfield, Patterns of Canadian Industry in 1871: An Overview Based on the First Census of Canada (CANIND71 Research Report 12, 1990) and Industrial Leaders: The Largest Manufacturing Firms (CANIND71 Research Report 8, 1990). Throughout Canada, 150 enterprises ranked in the top one per cent in all four measures of number of employees, value of fixed capital investment, gross value of production and value added in manufacturing.

Many industrial establishments had small values of production as well: 24 per cent of Perth County's units produced \$500 worth or less of industrial output but these accounted for only 1.3 per cent of the county's total industrial output. At the other extreme, the eight enterprises reporting at least \$50,000 worth of output formed under one per cent of all establishments in the county but accounted for over one quarter of the total value of production. The full manuscript details for the 24 enterprises reporting either at least 26 workers or at least \$25,000 in industrial output in 1871 are reproduced in this report as sample records. They include pork packers, grain mills, bakeries, flax mills, sawmills, clothing shops and farm machinery works.

Table 6
6a. ONTARIO INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

	Establishments % total	Employment % total	Production % total	Value Added % total
Firm size				
# employees				
<u>small</u>				
1	39.8	9.0	6.1	6.2
2 - 5	45.3	28.5	29.9	25.7
<u>medium</u>				
6 - 50	14.1	40.1	44.2	44.6
<u>large</u>				
50+	0.8	22.4	19.8	23.5
TOTALS	100.0	100.0	100.0	100.0

6b: PERTH COUNTY INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

	Establishments % total	Employment % total	Production % total	Value Added % total
Firm size				
# employees				
<u>small</u>				
1	31.0	7.4	5.0	6.0
2 - 5	48.0	32.7	38.5	37.2
<u>medium</u>				
6 - 25	19.4	43.2	42.8	37.6
26 - 50	1.4	11.8	7.8	9.7
<u>large</u>				
50+	0.2	4.9	5.8	9.5
TOTALS	100.0	100.0	100.0	100.0

CANIND71 SAMPLE RECORDS

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proprior: BAIRD & BIRCH	typeest: PORK PACKING/MEAT CURING	refnum: 7523
cdid: 0030 ced: C-1	cdistric: PERTH NORTH	csd: STRATFORD T
sec: 5.01 sic: 101-P	month: 12	prop:
fixcap: 9000 flocap: 80000	typepow:	force: .
empmen: 20 empwom: .	empboy: 1	empgirl: .
totemp: 21 wages: 3600	avwage: 14.29 per worker/month	
sumrawc: 100000	sumproc: 110250	vadd: 10250
rawmat1: HOGS/SHEEP/CATTLE runit1:	rquant1: 10000	rvalue1: 100000
prod1: MEAT,CURED punit1:	pquant1: 3600	pvalue1: 100250
prod2: LARD punit2: PKG	pquant2: 1000	pvalue2: 10000
comments: SHIPPED CHIEFLY TO ENGLAND		

proprior: MALCOLM GEORGE	typeest: GRIST MILL	refnum: 7459
cdid: 0029 ced: G-2	cdistric: PERTH SOUTH	csd: RASTHOPE S
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 8000 flocap: 5000	typepow: STEAM	force: 40
empmen: 3 empwom: .	empboy: .	empgirl: .
totemp: 3 wages: 900	avwage: 25.00 per worker/month	
sumrawc: .	sumproc: 96250	vadd: .
rawmat1: GRAIN,WHEAT runit1: BU	rquant1: 70000	rvalue1: .
prod1: FLOUR punit1: BBL	pquant1: 14000	pvalue1: 96250

proprior: HILL BROS	typeest: GRIST MILL	refnum: 7487
cdid: 0030 ced: B-1	cdistric: PERTH NORTH	csd: ELLICE
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 8000 flocap: 2000	typepow: W/S	force: 22
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 1300	avwage: 27.08 per worker/month	
sumrawc: 31200	sumproc: 37200	vadd: 6000
rawmat1: GRAIN,WHEAT runit1: BU	rquant1: 31200	rvalue1: 31200
prod1: FLOUR/BRAN/SHORTS punit1:	pquant1: 7520	pvalue1: 37200

proprior: BOX & SOMERVILLE	typeest: FLOUR MILL	refnum: 7309
cdid: 0029 ced: B-2	cdistric: PERTH SOUTH	csd: ST MARYS T
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 20000 flocap: 10000	typepow: WATER	force: 80
empmen: 7 empwom: .	empboy: .	empgirl: .
totemp: 7 wages: 2500	avwage: 29.76 per worker/month	
sumrawc: 70000	sumproc: 75000	vadd: 5000
rawmat1: GRAIN,WHEAT,OTHER runit1: BU	rquant1: 60000	rvalue1: 70000
prod1: FLOUR punit1: BBL	pquant1: 13500	pvalue1: .
prod2: OFFAL punit2: LB	pquant2: 90000	pvalue2: .

proprior: MOORE JOHN & SONS	typeest: FLOUR MILL	refnum: 7320
cdid: 0029 ced: B-2	cdistric: PERTH SOUTH	csd: ST MARYS T
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 8000 flocap: .	typepow: STEAM	force: 40
empmen: 14 empwom: .	empboy: 2	empgirl: .
totemp: 16 wages: 4000	avwage: 20.83 per worker/month	
sumrawc: 15500	sumproc: 25000	vadd: 9500
rawmat1: GRAIN runit1:	rquant1: .	rvalue1: 15500
prod1: FLOUR punit1:	pquant1: .	pvalue1: 25000
comments: FLOUR MILL AND IRON FOUNDRY HAVE COMBINED FLOATING CAPITAL OF \$23600		

CANIND71 SAMPLE RECORDS

proprior: SIMPSON	GEORGE	typeest: FLOUR MILL	refnum: 7334
cdid: 0029	ced: B-2	cdistric: PERTH SOUTH	csd: ST MARYS T
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 6000	flocap: 10000	typepow: WATER	force: 50
empmen: 4	empwom: .	empboy: .	empgirl: .
totemp: 4	wages: 1400	avwage: 29.17 per worker/month	
sumrawc: 45000		sumproc: 57000	vadd: 12000
rawmat1: GRAIN,WHEAT,OTHER	runit1:	rquant1: .	rvalue1: 45000
prod1: FLOUR/CHOP	punit1:	pquant1: .	pvalue1: 57000
proprior: HOLLAND	F	typeest: FLOUR/GRIST MILL	refnum: 7402
cdid: 0029	ced: E-2	cdistric: PERTH SOUTH	csd: MITCHELL V
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 20000	flocap: 15000	typepow: WATER	force: 50
empmen: 6	empwom: .	empboy: .	empgirl: .
totemp: 6	wages: 2000	avwage: 27.78 per worker/month	
sumrawc: 50000		sumproc: 55000	vadd: 5000
rawmat1: GRAIN,ASSORTED	runit1:	rquant1: 50000	rvalue1: 50000
prod1: FLOUR/MEAL/BRAN/SHORTS	punit1:	pquant1: .	pvalue1: 55000
proprior: ARGO	ADAM L	typeest: FLOUR MILL	refnum: 7574
cdid: 0030	ced: C-5	cdistric: PERTH NORTH	csd: STRATFORD T
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 1200	flocap: 10000	typepow: W/S	force: 40
empmen: 7	empwom: .	empboy: .	empgirl: .
totemp: 7	wages: 2700	avwage: 32.14 per worker/month	
sumrawc: 49400		sumproc: 71000	vadd: 21600
rawmat1: GRAIN,WHEAT	runit1: BU	rquant1: 58610	rvalue1: 49400
prod1: FLOUR	punit1: BBL	pquant1: 13790	pvalue1: 71000
proprior: WHITE GEORGE		typeest: GRIST/OAT MILL	refnum: 7271
cdid: 0029	ced: A-4	cdistric: PERTH SOUTH	csd: BLANCHARD
sec: 5.01	sic: 105/105-0	month: 12	prop:
fixcap: 7000	flocap: 20000	typepow: WATER	force: .
empmen: 2	empwom: .	empboy: .	empgirl: .
totemp: 2	wages: 550	avwage: 22.92 per worker/month	
sumrawc: 25000		sumproc: 29710	vadd: 4710
rawmat1: GRAIN,WHEAT,OAT,BARLEY	runit1:	rquant1: 41000	rvalue1: 25000
prod1: FLOUR	punit1: BBL	pquant1: 1200	pvalue1: .
prod2: OATMEAL	punit2: BBL	pquant2: 3700	pvalue2: .
prod3: BARLEY,POT	punit3: BU	pquant3: 40	pvalue3: .
comments: GRIST/OATMEAL/BARLEY MILL			

CANIND71 SAMPLE RECORDS

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proprior: THOMSON	WALTER	typeest: OATMEAL MILL	refnum: 7424
cdid: 0029	ced: E-3	cdistric: PERTH SOUTH	csd: MITCHELL V
sec: 5.01	sic: 105-0	month: 8	prop:
fixcap: 3500	flocap: 2000	typepow: STREAM	force: 15
empmen: 6	empwom: .	empboy: .	empgirl: .
totemp: 6	wages: 1200	avwage: 25.00 per worker/month	
sumrawc: 35000		sumproc: 37000	vadd: 2000
rawmat1: GRAIN,OAT,BARLEY/PEAS	runit1:	rquant1: 60000	rvalue1: 35000
prod1: OATMEAL/PEAS,SPLIT/BARLEY,POT	punit1: BBL	pquant1: 5500	pvalue1: 37000

proprior: NICKLIN JOHN	typeest: GRIST MILL	refnum: 7683
cdid: 0030	ced: F-5	cdistric: PERTH NORTH
sec: 5.01	sic: 105	month: 12
fixcap: 2000	flocap: 4000	typepow: W/S
empmen: 2	empwom: .	empboy: .
totemp: 2	wages: 460	avwage: 19.17 per worker/month
sumrawc: 25000		sumproc: 28000
rawmat1: GRAIN,WHEAT	runit1: BU	rquant1: 28000
prod1: FLOUR	punit1: BBL	pquant1: 4000

proprior: BOWMAN JOSHUA	typeest: GRIST/SAW MILL	refnum: 7680
cdid: 0030	ced: F-5	cdistric: PERTH NORTH
sec: 5.01	sic: 105/251	month: 12
fixcap: 4500	flocap: 2940	typepow: W/S
empmen: 4	empwom: .	empboy: .
totemp: 4	wages: 1260	avwage: 26.25 per worker/month
sumrawc: 31800		sumproc: 49880
rawmat1: GRAIN,WHEAT	runit1:	rquant1: 26000
rawmat2: GRAIN,OTHER	runit2:	rquant2: 12000
rawmat3: LOGS	runit3:	rquant3: 1700
prod1: FLOUR/CHOP	punit1:	pquant1: .
prod2: LUMBER	punit2:	pquant2: 200000

comments: WHEAT AND OTHER GRAINS COMBINED VALUE OF \$30800; LOGS VALUED AT \$1000

proprior: ELDRIDGE JOHN	typeest: BAKERY/CONFECTIONERY	refnum: 7534
cdid: 0030	ced: C-2	cdistric: PERTH NORTH
sec: 5.01	sic: 107	month: 12
fixcap: 350	flocap: 1000	typepow:
empmen: 1	empwom: .	empboy: 1
totemp: 2	wages: .	avwage: . per worker/month
sumrawc: 1800		sumproc: 25000
rawmat1: FLOUR	runit1:	rquant1: .
prod1: BREAD/CAKES	punit1:	pquant1: .

comments: WORKED BY PROPRIETOR AND APPRENTICE BOY

CANIND71 SAMPLE RECORDS

proprior: TOWNER & CAMPBELL typeest: SOLE LEATHER TANNERY refnum: 7748
 cdid: 0030 ced: H cdistric: PERTH NORTH csd: LISTOWEL V
 sec: 5.04 sic: 172 month: 12 prop:
 fixcap: 12000 flocap: 33000 typepow: STEAM force: 20
 empmen: 10 empwom: . empboy: . empgirl: .
 totemp: 10 wages: 3000 avwage: 25.00 per worker/month
 sumrawc: 28000 sumproc: 45000 vadd: 17000
 rawmat1: HIDES runit1: rquant1: 5000 rvalue1: 25000
 rawmat2: BARK,HEMLOCK runit2: CD rquant2: 1200 rvalue2: 3000
 prod1: LEATHER,SOLE punit1: SIDE pquant1: 10000 pvalue1: 45000
 comments: THE COSTS OF INSURANCES, INTEREST, WOOD, OIL AND OTHER INCIDENTAL EXPENSES ARE TO BE DEDUCTED
 FROM AGGREGATE VALUE OF PRODUCTS

proprior: LIVINGSTONE J J & CO typeest: FLAX SCUTCHING MILL refnum: 7760
 cdid: 0030 ced: H cdistric: PERTH NORTH csd: LISTOWEL V
 sec: 5.05 sic: 189-F month: 12 prop:
 fixcap: 10000 flocap: 14000 typepow: STEAM force: 20
 empmen: 20 empwom: . empboy: 5 empgirl: .
 totemp: 25 wages: 6000 avwage: 20.00 per worker/month
 sumrawc: 11000 sumproc: . vadd: .
 rawmat1: FLAX runit1: TON rquant1: 1000 rvalue1: 11000
 prod1: FLAX,SCUTCHED/TOW/SEED punit1: pquant1: . pvalue1: .
 comments: STOCK NOT YET SOLD; CANNOT FIX AMOUNT OF PROFIT

proprior: ROBERTSON ALEX typeest: FLAX MILL refnum: 7297
 cdid: 0029 ced: B-1 cdistric: PERTH SOUTH csd: ST MARYS T
 sec: 5.05 sic: 189-F month: 12 prop:
 fixcap: 10000 flocap: 20000 typepow: STEAM force: 16
 empmen: 24 empwom: 12 empboy: 6 empgirl: 6
 totemp: 48 wages: 7000 avwage: 12.15 per worker/month
 sumrawc: 15600 sumproc: 30367 vadd: 14767
 rawmat1: FLAX runit1: TON rquant1: 1300 rvalue1: 15600
 prod1: FLAX,DRESSED/TOW/SEED punit1: pquant1: . pvalue1: 30367

proprior: MARSHALL & FULLER typeest: FLAX SCUTCHING MILL refnum: 7543
 cdid: 0030 ced: C-2 cdistric: PERTH NORTH csd: STRATFORD T
 sec: 5.05 sic: 189-F month: 12 prop:
 fixcap: 8000 flocap: 10000 typepow: STEAM force: 25
 empmen: 22 empwom: 15 empboy: 6 empgirl: 7
 totemp: 50 wages: 7000 avwage: 11.67 per worker/month
 sumrawc: . sumproc: 20200 vadd: .
 rawmat1: N/G
 prod1: FLAX,SCUTCHED punit1: TON pquant1: 50 pvalue1: 11000
 prod2: TON punit2: LB pquant2: 100000 pvalue2: 3000
 prod3: SEED punit3: BRL pquant3: 4000 pvalue3: 6200
 comments: SHIPPED IN RAW STATE

CANIND71 SAMPLE RECORDS

proprior: SMITH G B typeest: TAILOR/MILLINERY refnum: 7294
 cddid: 0029 ced: B-1 cdistric: PERTH SOUTH csd: ST MARYS T
 sec: 5.07 sic: 243/249-M month: 12 prop:
 fixcap: 2000 flocap: . typepow: force: .
 empmen: 4 empwom: 22 empboy: . empgirl: .
 totemp: 26 wages: 4950 avwage: 15.87 per worker/month
 sumrawc: 9237 sumproc: 17687 vadd: 8450
 rawmat1: CLOTH/MILLINERY MATERIALS/TRIMMINGS runit1: YD rquant1: 8500 rvalue1: 9237
 prod1: COATS/PANTS/VESTS punit1: PIECE pquant1: 3000 pvalue1: .
 prod2: BONNETS/HATS punit2: PIECE pquant2: 1500 pvalue2: .

proprior: WILLIAMSON & FOSTER & CO typeest: MILLINER/TAILOR EST refnum: 7532
 cddid: 0030 ced: C-2 cdistric: PERTH NORTH csd: STRATFORD T
 sec: 5.07 sic: 249-M/244 month: 12 prop:
 fixcap: 10000 flocap: 10000 typepow: force: .
 empmen: 9 empwom: 28 empboy: . empgirl: .
 totemp: 37 wages: 11000 avwage: 24.77 per worker/month
 sumrawc: 30000 sumproc: 65000 vadd: 35000
 rawmat1: CLOTH/MILLINERY runit1: rquant1: . rvalue1: 30000
 prod1: CLOTHING/WOMENS WEAR punit1: pquant1: . pvalue1: 65000

proprior: EASSON WILLIAM typeest: SAW/PLANING MILL refnum: 7579
 cddid: 0030 ced: C-5 cdistric: PERTH NORTH csd: STRATFORD T
 sec: 5.08 sic: 251 month: 12 prop:
 fixcap: 20000 flocap: 3000 typepow: STEAM force: 25
 empmen: 35 empwom: . empboy: 5 empgirl: .
 totemp: 40 wages: 10000 avwage: 20.83 per worker/month
 sumrawc: 15000 sumproc: 27000 vadd: 12000
 rawmat1: LOGS runit1: rquant1: 20000 rvalue1: .
 rawmat2: LUMBER,PLANED runit2: rquant2: 300000 rvalue2: .
 rawmat3: HARDWARE/OIL runit3: rquant3: . rvalue3: .
 prod1: LUMBER punit1: pquant1: 200000 pvalue1: 27000

proprior: ELDER GEORGE typeest: STAVE FACTORY refnum: 7522
 cddid: 0030 ced: C-1 cdistric: PERTH NORTH csd: STRATFORD T
 sec: 5.08 sic: 251 month: 9 prop:
 fixcap: 6000 flocap: 1000 typepow: STEAM force: 25
 empmen: 20 empwom: . empboy: 6 empgirl: .
 totemp: 26 wages: 5000 avwage: 21.37 per worker/month
 sumrawc: 800 sumproc: 8500 vadd: 7700
 rawmat1: TIMBER,STAVE runit1: rquant1: . rvalue1: 800
 prod1: STAVES/HEADINGS,BARREL punit1: pquant1: 200000 pvalue1: 8500

CANIND71 SAMPLE RECORDS

22

proprior: SCRIMGEOUR BROS ?	typeest: SASH/DOOR/PLANING MF	refnum: 7560
cdid: 0030 ced: C-4	cdistric: PERTH NORTH	csd: STRATFORD T
sec: 5.08 sic: 254	month: 12	prop:
fixcap: 10000 flocap: 5000	typepow: STEAM	force: 30
empmen: 20 empwom: .	empboy: 2	empgirl: .
totemp: 22 wages: 7800	avwage: 29.55 per worker/month	
sumrawc: 30000	sumproc: 45000	vadd: 15000
rawmat1: WOOD runit1:	rquant1: 2080000	rvalue1: 30000
prod1: PLANING, BUILDING MATERIALS		pvalue1: 45000
comments: SASH/DOOR/BLIND/PLANING MANUFACTORY		

proprior: THOMPSON & WILLIAMS	typeest: AGRC WORKS/ENGINES	refnum: 7425
cdid: 0029 ced: B-3	cdistric: PERTH SOUTH	csd: MITCHELL V
sec: 5.14 sic: 315-E/315	month: 12	prop:
fixcap: 25000 flocap: 100000	typepow: STEAM	force: 30
empmen: 104 empwom: .	empboy: 2	empgirl: .
totemp: 106 wages: 40000	avwage: 31.45 per worker/month	
sumrawc: 50000	sumproc: 150000	vadd: 100000
rawmat1: IRON,PIG,BAR,MALLEABLE/STEEL/BRASS/BABBITT/COAL		rvalue1: 50000
prod1: ENGINES,STEAM/GRIST, SAW, LATH, SHINGLE MILL MACHINERY		pvalue1: 150000

proprior: HAGGERT W & T	typeest: FOUNDRY/AGRC IMPLS	refnum: 7342
cdid: 0029 ced: B-4	cdistric: PERTH SOUTH	csd: ST MARYS T
sec: 5.14 sic: 311	month: 12	prop:
fixcap: 8000 flocap: 20000	typepow: STEAM	force: 12
empmen: 25 empwom: .	empboy: 3	empgirl: .
totemp: 28 wages: 9000	avwage: 26.79 per worker/month	
sumrawc: 6350	sumproc: 31400	vadd: 25050
rawmat1: IRON,PIG,BAR runit1: TON	rquant1: 145	rvalue1: .
rawmat2: LUMBER runit2:	rquant2: 5000	rvalue2: .
rawmat3: WOOD,CORD runit3: CD	rquant3: 300	rvalue3: .
rawmat4: COAL runit4: TON	rquant4: 40	rvalue4: .
prod1: REAPERS/MOWERS punit1:	pquant1: 160	pvalue1: .
prod2: THRESHING MACHINES punit2:	pquant2: 12	pvalue2: .
prod3: PLOUGHS/HARROWS/IMPLEMENTS,VARIOUS	pquant3: 50	pvalue3: .

Power Technology

Only 15 per cent of the industrial firms in Perth County in April 1871 reported using water or steam power. But such firms were disproportionately important in employment, investment and production. Water- and steam-powered enterprises employed 45 per cent of all industrial workers, reported two-thirds of fixed capital invested in industry and accounted for 58 per cent of the value of industrial production.¹⁴ Steam and hand power were more significant in Perth County, each supporting 40 per cent of industrial output, compared with only 36 and 31 per cent respectively in Ontario as a whole.

Enterprises reporting at least 25 horsepower units of water or steam power are listed in Table A-5. While some of the largest capacities reported are of waterwheels, of the 39 businesses were powered by steam engines, especially the sawmills and wood processing establishments and the businesses located in urban centres.

Work Environments

The CANIND71 database provides a snapshot of the transition from artisanal craftshops to factories using machinery and integrated work processes. A useful concept in understanding this transition is the **work environment**, which combines measures of the size of the workplace with the extent to which non-manual power was used in the industrial process. A basic distinction is drawn between workplaces with no inanimate power (represented on the left side of the diagram) and workplaces powered by water or steam (right side). Work environments are further categorized as to the size of their workforces, producing four size classes: 1-5 workers, 6-25 workers, 26-50 workers, and 51 or more workers. Powered establishments with at least 26 workers are called **factories**, while **manufactories** are non-powered workplaces with at least 26 workers. Smaller powered establishments are called **mills** if they had from 6 to 25 workers, **powered craftshops** if they had 5 or fewer workers.

Workplaces using only hand or horse power are called **artisans' craftshops** if they employed 5 or fewer. Slightly larger craftshops, without water or steam power and employing between 6 and 25 workers, have been called **sweatshops** in the context of a large city. **Outworkers**, who toiled at home under the putting-out system, would be included with the artisans' craftshops, from which it is hard to distinguish them on census manuscript evidence alone.¹⁵ Terms describing the eight types of work environment in this model do not match contemporary usage in 1871, when factories, manufactories and shops were generic terms used interchangeably for all sizes of establishment. Our transcription of the natural language used by the census enumerators allows readers to note this terminology in the (TYPEEST) Type of Establishment data in the Appendix tables of this report.

¹⁴ See G.T. Bloomfield, Water Wheels and Steam Engines: Powered Establishments of Ontario (CANIND71 Research Report 2, 1989).

¹⁵ For more discussion of this concept see Patterns of Canadian Industry in 1871 (Report 12) and Elizabeth Bloomfield and G.T. Bloomfield, Canadian Women in Workshops, Mills and Factories: The Evidence of the 1871 Census Manuscripts (CANIND71 Research Report 11, 1991).

USE OF POWER			
		non-powered (hand/horse only)	powered by water or steam
SIZE OF WORKFORCE	51+	MANUFACTORIES (larger)	FACTORIES (larger)
	26-50	MANUFACTORIES (smaller)	FACTORIES (smaller)
	6-25	SWEATSHOPS and larger CRAFTSHOPS	MILLS
	1-5	ARTISANS' CRAFTSHOPS	POWERED WORKSHOPS, smaller MILLS
		non-powered (hand/horse only)	powered by water or steam

Table 7
DISTRIBUTION OF WORKERS IN WORK ENVIRONMENTS, 1871

Work Environment (# employees)	Rural Ontario	Urban Ontario	Urban Perth County	Rural Perth County
Non-Powered	%	%	%	%
Artisans (1-5 emp)	45.4	17.8	24.5	47.6
Sweatshops (6-25 emp)	5.8	20.2	26.1	6.9
Manufactories (26-50 emp)	0.3	4.8	4.5	-
Manufactories (>51 emp)	0.5	5.5	-	-
Sub-Total	52.0	48.3	55.1	54.5
Powered				
Small (1-5 emp)	15.8	3.2	2.8	15.4
Medium (6-25 emp)	19.6	13.0	20.6	30.0
Factories (26-50 emp)	5.4	8.3	13.8	-
Factories (>51 emp)	7.2	27.2	7.6	-
Sub-Total	48.0	51.7	44.8	45.4
TOTAL	100.0	100.0	100.0	100.0

Table 7 summarizes the proportions of workers employed in the eight basic types of workplace in rural and urban areas of Perth County, in relation to the proportions for all of urban Ontario and all of rural Ontario. Compared with Ontario urban centres generally, the workers of Stratford and the other urban centres of Perth County laboured in smaller workplaces, making less use of inanimate power. Rural industrial employees in Perth County were recorded in workplaces which were more artisanal, smaller and less dependent on water or steam power than in rural Ontario generally. However, middle-sized, powered workplaces with between 6 and 25 employees were more typical in rural Perth County than in the province as a whole.

To what extent were women engaged in industrial work in Perth County in 1871? Reflecting the local strength in the manufacture of textiles and clothing, Perth County reported somewhat more women and girls working in industrial establishments than the mean for Ontario. Altogether in Perth County, women and girls formed over 15 per cent of the total industrial workforce. More typically in 1871, relatively large female workforces were associated with large textile mills, such as the hosiery mills of Paris, the cotton mills of Merritton and Dundas, the woollen mills of Almonte and Hespeler. The 46 establishments in Perth County that reported at least two female workers are listed in Appendix Table A-6. None of these was a huge factory or manufactory, such as the enterprises of footwear manufacturers or merchant tailors in Canada's large cities in 1871. Most of the firms reporting female workers in Perth County, and those with the larger numbers, were clothing shops and flax mills, with only three small woollen mills. Three of every four women and girls employed in industry were in the urban centres.¹⁶

The town of St Marys is notable for having at least twice the national proportion of women and girls in its industrial labour force. More than three in ten of its industrial workers were female, a proportion more typical of central wards of large cities such as Toronto's St Lawrence and St James Wards, Hamilton's St Patrick's Ward, Ottawa's By and Wellington Wards, or Kingston's St Lawrence Ward. Examples of such businesses in St Marys are G.B. Smith's clothing and millinery establishment, the clothing and millinery shop of James Eaton, the hoopskirt factory of Robert Eaton, and the tailoring and millinery business of A. Beattie.

¹⁶ For detailed analysis of women's paid industrial work in 1871, see Canadian Women in Workshops, Mills and Factories: The Evidence of the 1871 Census Manuscripts (CANIND71 Research Report 11, 1991)

Appendix Tables

This county report presents several kinds of tabulations which are briefly introduced here. In understanding the abbreviated code names of database variables, users are referred to Table 3 on page 7, for the Standard Industrial Classification codes to Table 1 on page 5, and for the Major Industry Groups to Table 2 on page 6.

Table A-1: Perth County: Geographical Summary of Firms, 1871

Summary data for each Census Sub-District (CSD), including horse-power units of non-manual power, value of fixed and floating capital, numbers of employees (men, women, boys, girls and total), annual wages paid, costs of raw materials, gross value of production, value added in manufacturing, and number of establishments. Data are totalled for each Census District (or part thereof) in the county, and totalled for the whole county. See Figure 1 for a map of CSDs and pp. 9-12 for discussion of the distribution of industrial activity.

Table A-2: Perth County: Industrial Structure, 1871

Summary data for each Major Industry Group, including numbers and percentages of establishments, horse-power units, value of fixed capital, total employment, gross value of production, and value added in manufacturing. See Figure 2 for diagrammatic representations for the employment structure by Major Industry Groups of Perth County, Stratford and St Marys in relation to the structure for all of Ontario in 1871.

Table A-3: Basic SIC codes for Perth County, 1871

Summary data for each Standard Industrial Classification type (including code suffixes but trimming compounds). For discussion of SIC types, see pp. 4-5 and p. 12.

Table A-4: Listings of Individual Establishments, Ranked by Value of Output, for Various SIC Types, 1871

Data for pork butchers; cheese factories; grain mills; bakeries; tanneries; saddlers; boot makers; textile producers; clothing shops; sawmills and wood processing; furniture shops; tinsmiths and metal fabricating; machinery producers; carriage and wagon shops; non-metallic minerals; chemicals; construction trades; and blacksmiths.

Table A-5: Perth County: Firms Using Inanimate Power, 1871

Data for individual establishments reporting at least 25 horsepower of water or steam power, ranked by hp units.

Table A-6: Perth County: Firms Employing at least Six Females in 1871

Data for individual establishments, ranked by number of women and girls employed. Note use of FEMALE (total number of women and girls employed) as variable in this table only.

Table A-7: Perth County: Firms by Name of Proprietor, 1871

Data for individual establishments in alphabetical order of proprietor's name.

Table A-8: Towns and Villages: Firms by Name of Proprietor, 1871

Data for individual establishments in alphabetical order of proprietor's name: Stratford, St Marys, Mitchell, Listowel.

PERTH COUNTY: GEOGRAPHICAL SUMMARY OF FIRMS, 1871

CDID	CED	CSD	FORCE	FIXCAP	FLOCAP	EMPEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD	OBSERV
O029	A	BLANCHARD	37	20090	28395	36	4	3	1	44	7924	33215	51250	18035	20
O029	B	ST MARYS T	289	124220	101500	254	115	27	7	403	90479	273640	462136	188286	76
O029	C	HIBBERT	57	15280	26520	34	4	8	1	47	6840	36035	50576	14541	15
O029	D	FULLARTON	4	6340	9100	37	2	5	.	44	7969	6397	23883	17336	19
O029	E	MITCHELL V	187	96210	172945	227	18	29	5	279	75946	207829	381865	174036	38
O029	F	DOWNIE	59	31230	11200	48	2	1	.	51	12474	45806	68655	22849	21
O029	G	EASTHOPE S	190	36150	10460	49	6	8	1	64	12680	24104	137180	13616	18
O029			823	329520	360120	685	151	81	15	932	214312	627026	1175545	448699	207
O030	A	LOGAN	176	22622	26655	58	.	7	.	65	10347	27889	53502	25613	17
O030	B	ELLICE	245	67925	36250	90	.	6	.	96	19926	69969	112343	42374	23
O030	C	STRATFORD T	241	193650	221750	380	111	43	10	544	128782	409107	738506	309199	82
O030	D	EASTHOPE N	106	27265	11055	71	9	9	2	91	10346	35621	68652	31206	36
O030	E	ELMA	235	98485	55065	121	.	.	.	121	21765	61450	117705	56050	35
O030	F	MORNINGTON	218	48260	18920	72	1	5	.	78	13070	86062	147168	61106	38
O030	G	WALLACE	104	12495	5306	63	10	5	.	78	4040	12913	28631	15443	42
O030	H	LISTOWEL V	137	82650	91750	130	16	15	3	164	29178	76878	131405	65092	35
O030			1462	553352	466751	985	147	90	15	1237	237454	779889	1397912	606083	308
			2285	882872	826871	1670	298	171	30	2169	451766	1406915	2573457	1054782	515

PERTH COUNTY: MAJOR INDUSTRY GROUPS, 1871

SEC	OBSERV		FORCE		FIXCAP		TOTEMP		SUMPROC		VADD	
	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT
5.01	53	10.3	830	36.3	203100	23.0	211	9.7	941073	36.6	185834	17.6
5.04	89	17.3	52	2.3	80900	9.2	236	10.9	267098	10.4	124490	11.8
5.05	42	8.2	169	7.4	78905	8.9	255	11.8	139454	5.4	52697	5.0
5.07	48	9.3	.	.	42370	4.8	255	11.8	214297	8.3	98147	9.3
5.08	79	15.3	1035	45.3	250275	28.3	484	22.3	384644	14.9	190453	18.1
5.09	12	2.3	18	0.8	20040	2.3	51	2.4	41440	1.6	24865	2.4
5.11	10	1.9	.	.	34400	3.9	46	2.1	28800	1.1	18100	1.7
5.12	1	0.2	20	0.9	4500	0.5	9	0.4	.	.	.	.
5.13	15	2.9	12	0.5	21900	2.5	43	2.0	56512	2.2	35362	3.4
5.14	20	3.9	120	5.3	64560	7.3	209	9.6	239258	9.3	163343	15.5
5.15	37	7.2	14	0.6	39442	4.5	120	5.5	86145	3.3	56083	5.3
5.17	22	4.3	14	0.6	5770	0.7	85	3.9	24727	1.0	21122	2.0
5.19	12	2.3	1	0.0	11355	1.3	26	1.2	49660	1.9	28850	2.7
5.2	2	0.4	.	.	1200	0.1	5	0.2	5600	0.2	2000	0.2
6	16	3.1	.	.	6330	0.7	53	2.4	49029	1.9	20907	2.0
10	57	11.1	.	.	17825	2.0	81	3.7	45720	1.8	32529	3.1
ALL	515	100.0	2285	100.0	882872	100.0	2169	100.0	2573457	100.0	1054782	100.0

BASIC SIC CODES FOR PERTH COUNTY, 1871

SIC	OBSERV	FORCE	FIXCAP	FLOCAP	EMPEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
101-P	3	.	11300	82800	25	1	1	.	27	4350	105112	117112	12000
103	1	.	3000	1000	2	0	0	.	2	750	1500	3000	1500
104	13	.	14400	6760	23	19	6	4	52	4575	45548	58702	11329
105	20	750	144500	97740	87	0	3	.	90	24639	440515	647176	110411
105-O	2	30	3700	2100	9	0	0	.	9	1300	35375	37500	2125
107	8	.	4800	9450	9	0	3	.	12	2442	18952	50025	31073
108-C	1	.	1200	1200	3	0	0	.	3	1300	1335	6000	4665
109-B	3	25	12100	13000	10	0	0	.	10	5700	6600	18080	11480
109-D	1	25	8000	3000	4	0	0	.	4	780	2112	3178	1066
109-S	1	.	100	.	1	1	0	.	2	150	115	300	185
172	13	52	31350	53000	43	1	1	.	45	10650	58475	92900	34425
174	55	.	35650	42260	125	5	9	.	139	31084	58176	126663	68087
179-S	18	.	11500	9900	34	1	1	.	36	8089	14742	32493	17751
179-T	2	.	400	.	2	0	1	.	3	900	1800	4000	2200
179-W	1	.	2000	5015	5	8	0	.	13	1740	9015	11042	2027
182	4	60	27000	10200	24	11	3	3	41	5450	10900	28340	13600
182-W	31	.	1405	406	28	16	0	2	46	3866	8717	17047	8330
189-F	4	77	35000	53000	76	33	25	13	147	22600	33600	60567	17767
189-W	3	32	15500	6950	13	4	3	1	21	4445	20500	33500	13000
242	16	.	9060	1335	22	29	2	.	53	10530	22708	40560	17852
243	14	.	11310	6590	20	61	0	1	82	14620	33082	55377	22185
244	10	.	7600	13650	2	50	0	.	52	6946	23650	37800	14150
249-M	9	.	14400	13100	2	54	0	5	68	14284	36600	80560	43960
251	46	901	221165	129550	316	0	53	.	369	70105	148977	294434	145457
251-S	4	28	2765	1200	13	0	7	.	20	1400	2305	7855	5495
254	12	63	16500	6150	47	0	3	.	50	14688	35376	58925	23549
256	1	28	4000	.	2	0	0	.	2	800	1000	1800	800
258	1	.	250	50	1	0	0	.	1	.	200	600	400
259	4	.	1500	600	9	0	0	.	9	1462	2890	2312	2890
259-C	11	15	4095	3240	29	0	4	.	33	8000	6165	18140	12440
261	11	18	19950	11250	45	2	2	1	50	12290	16538	40840	24302
266	1	.	90	25	1	0	0	.	1	280	37	600	563
287-B	1	.	200	200	1	0	0	.	1	600	500	1200	700
289	9	.	34200	1000	31	0	14	.	45	8845	10200	27600	17400
294	1	20	4500	500	9	0	0	.	9	3500	630	.	.
304-T	9	1	11000	11650	20	0	2	.	22	7515	10400	30362	19962
306	1	1	100	.	1	0	0	.	1	.	.	.	.
306-S	1	1	200	.	1	0	0	.	1	.	.	150	.
307-S	3	10	8600	9100	16	0	2	.	18	4336	10500	24000	13500
309	1	.	2000	1000	1	0	0	.	1	500	100	2000	1900
311	11	85	33550	37080	81	0	9	.	90	24210	24305	81460	57155
315-E	1	30	25000	100000	104	0	2	.	106	40000	50000	150000	100000
315-P	8	5	6010	2570	13	0	0	.	13	1375	1610	7798	6188
329	37	14	39442	31290	115	2	3	.	120	25373	30062	86145	56083
351-B	11	14	3860	5300	48	0	9	.	57	7344	1192	16895	15428
353	3	.	700	600	5	0	0	.	5	1050	1000	2200	1200
358-L	8	.	1210	3090	23	0	0	.	23	2025	1138	5632	4494
374	4	.	4100	1100	9	0	0	.	9	1050	8270	16300	8030
376	1	.	4000	8000	1	0	0	.	1	450	8500	10000	1500
378-P	6	.	3055	3220	13	0	2	.	15	3370	3740	23060	19320
379-M	1	1	200	50	1	0	0	.	1	.	.	300	.
391	1	.	200	300	1	0	0	.	1	.	.	600	.
392	1	.	1000	500	4	0	0	.	4	1040	3000	5000	2000
421-C	11	.	5280	7660	40	0	0	.	40	9176	24712	38559	13997
421-D	3	.	850	2950	9	0	1	.	10	1840	2770	8300	5530
421-S	2	.	200	110	3	0	0	.	3	500	790	2170	1380
893	1	.	200	50	1	0	0	.	1	.	.	.	.
896	56	.	17625	15030	80	0	0	.	80	16852	13191	45720	32529
	=====	2285	882872	826871	1670	298	171	=====	2169	=====	=====	=====	=====
	515							30		451766	1406915	2573457	1054782

PERTH COUNTY: PORK PACKERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEFOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-1	BAIRD & BIRCH	PORK PACKING	101-P	9000		.	21	3600	100000	110250	10250
0029	C-4	CROMARTHY JOHN WH	PORK PACKING	101-P	1500		.	4	350	3500	4150	650
0030	C-1	BRANBENBERGER W	PRESERVED MEAT	101-P	800		.	2	400	1612	2712	1100
					11300		0	27	4350	105112	117112	12000

PERTH COUNTY: CHEESE FACTORIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEFOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	F-1	BALLANTYNE THOMAS	CHEESE FACTORY	104	3000		.	7	1120	19540	23400	3860
0029	C-4	HAMILTON GEORGE	CHEESE FACTORY	104	1000		.	4	250	5000	6000	1000
0029	C-4	GARDNER ROBERT	CHEESE FACTORY	104	900		.	2	240	5400	6000	600
0029	G-1	FRYFAGEL SEASTIA	CHEESE FACTORY	104	800		.	1	80	5000	6000	1000
0030	D-1	DOW JOHN M	CHEESE FACTORY	104	1000		.	5	500	3386	4387	1001
0029	G-2	MORLOCK & NILKER	CHEESE FACTORY	104	2000		.	4	400	1644	3290	1646
0029	F-4	DEMPSEY HUGH	CHEESE FACTORY	104	2300		.	3	460	1914	2650	736
0030	D-4	BROWN JOHN E	CHEESE FACTORY	104	400		.	6	250	.	1825	.
0030	D-4	STUART PETER	CHEESE FACTORY	104	600		.	5	300	1304	1760	456
0030	D-1	MCLARKY ROBERT	CHEESE FACTORY	104	1000		.	2	125	1080	1440	360
0030	H	HAY DAVID D	CHEESE FACTORY	104	400		.	8	400	900	1000	100
0029	A-1	HUSTON GEORGE	CHEESE FACTORY	104	600		.	1	250	300	620	320
0029	A-5	ST JOHN ADAM	CHEESE FACTORY	104	400		.	4	200	80	330	250
					14400		0	52	4575	45548	58702	11329

PERTH COUNTY: GRAIN MILLS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEFOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	G-2	MALCOLM GEORGE	GRIST MILL	105	8000	STEAM	40	3	900	.	96250	.
0029	B-2	BOX & SOMERVI	FLOUR MILL	105	20000	WATER	80	7	2500	70000	75000	5000
0030	C-5	ARGO ADAM L	FLOUR MILL	105	1200	W/S	40	7	2700	49400	71000	21600
0029	B-2	SIMPSON GEORGE	FLOUR MILL	105	6000	WATER	50	4	1400	45000	57000	12000
0029	E-2	HOLLAND F	FLOUR/GRIST MILL	105	20000	WATER	50	6	2000	50000	55000	5000
0030	F-5	BOWMAN JOSHUA	GRIST/SAW MILL	105/251	4500	W/S	80	4	1260	31800	49880	18080
0030	B-1	HILL BROS	GRIST MILL	105	8000	W/S	22	4	1300	31200	37200	6000
0029	E-3	THOMSON WALTER	OATMEAL MILL	105-O	3500	STEAM	15	6	1200	35000	37000	2000
0029	A-4	WHITE GEORGE	GRIST/OAT MILL	105/105-O	7000	WATER	.	2	550	25000	29710	4710
0030	F-5	NICKLIN JOHN	GRIST MILL	105	2000	W/S	28	2	460	25000	28000	3000
0029	B-2	MOORE JOHN & SO	FLOUR MILL	105	8000	STEAM	40	16	4000	15500	25000	9500
0030	E-2	BREWER ALFRED	FLOUR MILL	105	6500	STEAM	35	3	800	20000	22000	2000
0030	D-4	GABEL JOHN	GRIST MILL	105	8000	WATER	30	2	500	15000	21000	6000
0029	E-2	AIKINS J & HILL J	FLOUR/GRIST MILL	105	3000	STEAM	25	3	900	14000	16000	2000
0030	H	CLIMIE & BILLING	FLOUR/GRIST/SAW	105/251	12000	STEAM	50	11	2069	9565	16000	6435
0030	B-1	GEOTTLER ANTHONY	GRIST MILL	105	8000	STEAM	40	3	900	13000	15851	2851
0030	C-2	REDFORD JAMES	GRAIN/OATMEAL MI	105/105-O	.	STEAM	20	3	.	8000	9275	1275
0029	F-3	IREDALE JOSEPH	FLOUR MILL	105	12300	WATER	30	1	400	7000	8460	1460
0029	G-4	PINDER JOHN	GRIST/FLOUR MILL	105	3000	W/S	35	2	600	6000	6600	600
0030	E-3	WHIFFIELD/MCCORMA	GRIST/SAW MILL	105/251	2000	STEAM	20	4	800	3050	4450	1400
0029	A-4	MCKAY JOHN	GRIST MILL	105	5000	WATER	35	3	600	2000	3500	1500
0030	B-2	MULHOLLAND/ANDERS	OATMEAL MILL	105-O	200	WATER	15	3	100	375	500	125
					148200		780	99	25939	475890	684676	112536

PERTH COUNTY: BAKERIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-2	ELDRIDGE JOHN	BAKERY/CONFECTION	107	350			2		1800	25000	23200
0030	C-5	GIBSON JOHN	BAKERY	107/108-C	600			3	650	8000	11500	3500
0030	C-2	GIBSON WILLIAM	BAKERY/CONFECTION	107/108-C	2600			1	400	4000	5800	1800
0030	H	DENYES NELSON G ?	BAKERY	107	400			1	300	1500	2625	1125
0029	E-1	EGGLETON JOHN	BAKERY/CONFECTION	107/108-C	300			2	400	1872	2400	528
0030	C-2	HILTON JOHN	BAKERY/CONFECTION	107	300			1	200	1000	1500	500
0029	E-1	LOVE AMOS	BAKERY	107	150			1	300	780	1200	420
0030	H	TREMAN JOHN	BAKER SHOP	107	100			1	192			
					4800		0	12	2442	18952	50025	31073

PERTH COUNTY: TANNERIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	H	TOWNER & CAMPBELL	SOLE LEATHER TAN	172	12000	STEAM	20	10	3000	28000	45000	17000
0029	B-2	HUTTON WILLIAM LY	TANNERY	172	3000	STEAM	4	5	1000	6000	8000	2000
0030	C-3	ADAMS & BACK	MOROCCO/KID MF	172	300			3	600	4400	6700	2300
0029	D-3	KERR WILLIAM	TANNERY	172	1500	HORSE	1	3	1000	3200	6000	2800
0030	A-1	WILSON JAMES	TANNERY	172	1500	STEAM	12	3	500	3475	5850	2375
0030	C-3	SMITH ALEXAND	TANNERY	172	3000	STEAM	12	5	1300	3750	5250	1500
0030	C-5	HILTON G & H	TANNERY	172	3000	HORSE	1	5	800	2700	4500	800
0029	B-2	SMITH MARTIN	TANNERY	172	2250	HORSE	1	2	660	2200	3500	1300
0029	E-2	AIKINS JOHN	TANNER/CURRIER E	172	1600			3	900	1600	3000	1400
0030	H	MCILWRAITH STEWAR	TANNERY	172	600	HORSE	1	1	410	1000	1800	800
0030	E-2	OLIVER ROBERT	TANNERY	172	900			3	100	900	1500	600
0029	B-4	INGERSOLL JUSTUS	TANNERY	172	1000			1	350	750	1100	350
0030	F-3	STRONG JAMES	TANNERY	172	700			1	30	500	700	200
					31350		52	45	10650	58475	92900	34425

PERTH COUNTY: SADDLERS AND OTHER LEATHER WORKER

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-3	SCHOLTZ JOHN F	WHIP/LEATHER MF	179-W/172	2000			12	1700	9000	11000	2000
0029	B-1	GOODBOW/MCGOULDRI	HARNESS/TRUNK FC	179-S/179-T	2000			5	1800	2760	6500	3740
0029	B-2	LACHTE HENRY	TRUNKMAKER	179-T	400			3	900	1800	4000	2200
0029	E-1	WILLIAMS JABEZ R	HARNESSMAKER EST	179-S	500			4	1000	2500	4000	1500
0029	B-1	STAFFORD JOSEPH	HARNESS MANUFACT	179-S	500			3	600	900	3000	2100
0030	C-2	STONE THOMAS	SADDLERY/HARNESS	179-S	2000			3	1200	2400	3000	600
0029	F-1	ROCK ROBERT	HARNESSMAKER	179-S	1200			2	444	1000	2300	1300
0029	F-1	LONGENBACK	SADDLER	179-S	1500			2	600	12	2200	2188
0030	C-5	VENTON WILLIAM L	HARNESS SHOP	179-S	400			2	600	1000	2000	1000
0030	C-3	RICE JOHN	SADDLE/HARNESS M	179-S	400			2	220	750	1700	950
0030	H	BENNEWIES HENRY ?	SADDLER SHOP	179-S	600			3	300	300	1500	1200
0030	F-5	FRASER GORDON	SADDLE/HARNESS S	179-S	600			1		750	1300	550
0030	C-1	SIMEON JAMES	SADDLERY/HARNESS	179-S	200			1		500	1130	630
0030	C-2	KAPPLERBERGER HENR	HARNESSMAKER/REP	179-S	200			1		500	1000	500
0029	D-2	RICE GEORGE	HARNESS SHOP	179-S	100			1	400	510	963	453
0029	B-2	HARRISON ALEX	SADDLERY	179-S	700			1	250	900	600	300
0029	D-1	RICHLER NICHOLAS	HARNESSMAKER	179-S	50			1	250	150	400	250
0030	H	SCHLIM HENRY	HARNESS SHOP	179-S	200			2	100	100	400	300
0030	F-3	DEPPISH GEORGE	HARNESS/SADDLE S	179-S	200			1	100	10	200	190
0030	G-4	WARREN JOSEPH	WHIP MAKING	179-W/175				1	40	15	42	27
0030	H	LEE JAMES	HARNESS SHOP	179-S	150			1	225			
					13900		0	52	10729	25557	47535	21978

PERTH COUNTY: TEXTILE PRODUCERS, 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	B-1	ROBERTSON ALEX	FLAX MILL	189-F	10000	STEAM	16	48	7000	15600	30367	14767
0030	C-2	MARSHALL & FULLER	FLAX SCUTCHING M	189-F	8000	STEAM	25	50	7000	.	20200	.
0029	B-1	DUTTON & MYERS	CARDING/CLOTH MF	189-W/182	10000	STEAM	13	15	3345	9000	18000	9000
0029	E-3	SILLS G & TAIT J	CARDING/WOOLEN F	189-W/182	3500	STEAM	15	3	800	10000	15000	5000
0030	C-3	SUGDEN & SONS	WOOLEN MILLS	182	9000	STEAM	18	13	2750	7000	14000	7000
0029	E-2	FORRESTER ANDREW	FLAX MANUFACTORY	189-F	7000	STEAM	16	24	2600	7000	10000	3000
0030	H	HERMON & BOLTON	WOOLEN MANUFACTU	182	10000	STEAM	12	17	1800	2400	8000	5600
0029	G-2	STEMMAN & GERHARD	WOOLEN MILL	182	6000	STEAM	20	5	300	.	3840	.
0029	G-1	CORBET EDMUND	WOOLEN FACTORY	182	2000	STEAM	10	6	600	1500	2500	1000
0029	G-1	MUENSCHER GEORGE	WEAVER SHOP	182-W	50	.	.	1	400	800	1500	700
0029	B-4	BEDFORD JAMES	WEAVER/PILLMAKER	182-W/374	200	.	.	1	500	500	1400	900
0029	B-2	DELEMATER HANNA	WEAVER	182-W	50	.	.	1	250	700	1200	500
0030	D-3	STEEL R H	WEAVER SHOP	182-W	100	.	.	2	.	750	1200	450
0030	B-1	BOLLERT WILLIAM	WEAVER SHOP	182-W	75	.	.	2	360	500	950	450
0029	A-5	MCQUILLIN SAMUEL	CLOTH FACTORY	182-W	75	.	.	2	240	240	800	560
0030	D-3	DUNLOP ROBERT	WEAVER SHOP	182-W	50	.	.	2	400	500	800	300
0030	D-4	ORTWEIN BALPHASAR	WEAVER SHOP	182-W	45	.	.	2	.	600	800	200
0030	G-4	BELL CATHERINE	WEAVING	182-W	.	.	.	2	120	460	750	290
0030	D-1	CANE JAMES	WEAVER SHOP	182-W	50	.	.	1	300	300	700	400
0030	G-3	WILSON ROBERT	HANDLOOM FACTORY	182-W	50	.	.	2	.	240	675	435
0030	G-4	JONES JOSEPH	WEAVING	182-W	.	.	.	2	96	400	660	250
0030	F-5	STEWART WILLIAM	WEAVING/CLOTH MA	182-W	100	.	.	1	.	400	650	250
0029	A-4	PARK JAMES	WEAVER	182-W	100	.	.	1	300	160	500	340
0030	E-4	FORTUNE WILLIAM	HANDLOOM	182-W	20	.	.	1	.	250	500	250
0030	F-5	TANNER WILLIAM	CARDING/FULLING	189-W	2000	STEAM	4	3	300	1500	500	-1000
0030	D-1	THOMPSON WILLIAM	WEAVER SHOP	182-W	80	.	.	1	175	225	450	225
0030	G-4	LESLIE SAMUEL	WEAVING	182-W	.	.	.	1	100	285	450	165
0029	D-1	BARTH MICHAEL	WEAVING	182-W	40	.	.	3	250	60	400	340
0030	G-4	CUMMINGS ANDREW	WEAVING	182-W	.	.	.	2	50	265	400	135
0030	E-4	MARTIN THOMAS	HANDLOOM	182-W	20	.	.	1	.	90	350	260
0029	F-3	CORBETT JOHN	WEAVER SHOP	182-W	10	.	.	1	200	25	250	225
0030	D-1	CORMICK DAVID	WEAVER SHOP	182-W	50	.	.	1	150	100	250	150
0030	G-1	STEWART EDWARD	WEAVER SHOP	182-W	40	.	.	2	.	170	225	55
0030	G-4	MCMAHON ALEXANDER	WEAVING	182-W	.	.	.	1	40	135	225	90
0030	G-3	MOORE ANDREW	HANDLOOM FACTORY	182-W	30	.	.	2	.	133	198	65
0030	G-3	EVES SARAH	HANDLOOM FACTORY	182-W	30	.	.	1	.	107	173	66
0030	G-3	CORBETT GEORGE	HANDLOOM FACTORY	182-W	30	.	.	2	.	140	173	33
0030	E-4	STRUTHERS JOHN	HANDLOOM	182-W	20	.	.	1	.	52	125	73
0029	B-4	NORRIS WILLIAM	HANDLOOM WEAVER	182-W	50	.	.	1	100	40	110	70
0029	D-1	HAMILTON JAMES	WEAVER	182-W	20	.	.	1	75	20	100	80
0030	G-3	WENZELL DAVID	HANDLOOM FACTORY	182-W	20	.	.	2	.	70	83	13
0030	H	LIVINGSTONE J J & FLAX SCUTCHING M	189-F	10000	STEAM	.	20	25	6000	11000	.	.
									=====	=====	=====	=====
									78905	73717	139454	52697
									=====	=====	=====	=====
									169	255	36361	52697

PERTH COUNTY: CLOTHING SHOPS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-2	WILLIAMSON & FOST	MILLINER/TAILOR	249-M/244	10000	.	.	37	11000	30000	65000	35000
0029	B-1	SMITH G B	TAILOR/MILLINERY	243/249-M	2000	.	.	26	4950	9237	17687	8450
0029	B-1	BEATTIE A & CO	TAILOR/MILLINERY	243/249-M	2000	.	.	14	2800	7200	12000	4800
0030	C-2	HORNE & CLARK	TAILOR/MILLINER	244	3800	.	.	12	2000	8000	12000	4000
0029	B-2	EATON JAMES & CLARK	CLOTHING/MILLINER	242/249-M	6500	.	.	20	3080	6500	11580	5080
0029	B-2	MCINTOSH WILLIAM	CLOTHING/MILLINER	242/249-M	1000	.	.	11	3200	7000	10500	3500
0030	C-1	ADAMS JOHN	TAILOR	243	5000	.	.	14	2500	6720	9100	2380
0030	C-2	GORDON JAMES	DRESSMAKER/MILLI	244	500	.	.	6	1000	4000	7500	3500
0029	B-3	EATON ROBERT	HOOPSKIRT FACTOR	244	600	.	.	12	1246	5100	7000	1900
0030	C-5	CLARK J J	TAILOR SHOP	243	.	.	.	9	1600	5000	6600	1600
0030	C-5	GORDON BROS	MILLINERY SHOP	249-M/244	1000	.	.	4	720	2500	4500	2000
0029	E-2	CLEGG J G	MILLINERY	249-M/244	2000	.	.	7	600	2000	4000	2000
0030	C-5	FRASER JOHN	TAILOR SHOP	243	200	.	.	5	500	2000	3500	1500
0029	B-2	GRAHAM WILLIAM	TAILOR	242	100	.	.	2	400	2000	3000	1000
0030	H	MIMNA WILLIAM ?	TAILOR SHOP	242	100	.	.	3	100	800	3000	2200
0030	H	MAYNARD GEORGE	MILLINER SHOP	249-M	700	.	.	6	864	400	3000	2600
0029	B-2	BROWN SUSANNA	MILLINER/DRESSMA	244	400	.	.	6	600	1500	2600	1100
0030	C-5	CLARK J J	MILLINER SHOP	249-M	800	.	.	2	600	1200	2600	1400
0030	C-2	MACDONALD JAMES	MILLINERY/DRESSM	244	600	.	.	4	600	1500	2500	1000
0029	B-2	MCCALLUM BERTHA	DRESSMAKER	244	600	.	.	3	600	1000	2000	1000
0029	B-2	WILLIAMS MARY	MANTLEMAKER	244	400	.	.	2	400	1200	2000	800
0029	B-2	LAUGHTON MALCOLM	MERCHANT TAILOR	242	300	.	.	2	400	600	1900	1300
0029	E-1	WALKINSHAW JAMES	TAILOR SHOP	243	200	.	.	3	600	1000	1900	900
0030	D-1	HOLLWELL THOMAS	TAILOR SHOP	242	100	.	.	2	600	1200	1800	600
0029	B-2	JOHNSTON THOMAS	MILLINERY/DRESSM	244	400	.	.	3	300	1000	1600	600
0029	B-2	DUNBAR JAMES	TAILOR	242	150	.	.	1	300	1000	1600	600
0030	C-1	LEE CHARLES	TAILOR	243	1000	.	.	2	500	700	1500	800
0030	C-3	DONALDSON RALPH	TAILOR SHOP	242	.	.	.	1	.	1000	1500	500
0029	E-2	COPPIN JOSEPH	TAILOR SHOP	242	200	.	.	2	900	250	1300	1050
0030	H	HARVEY PAUL	TAILOR SHOP	242	100	.	.	3	450	700	1200	500
0029	F-1	BARTIE JOHN	TAILOR	242	100	.	.	1	400	500	1000	500
0030	C-5	FRASER JOHN M	MILLINERY/DRESSM	249-M/244	500	.	.	3	300	300	1000	700
0029	B-1	MURRY MATTHEW	TAILOR	243	200	.	.	1	400	250	800	550
0029	C-4	CRAWFORD JAMES	TAILOR ESTABLISH	243	500	.	.	2	250	500	800	300
0030	H	MCKENZIE ALEXAND	TAILOR SHOP	242	100	.	.	1	100	248	780	532
0029	B-2	GREAVES CHRISTI	MILLINER	244/249-M	100	.	.	3	200	350	600	250
0029	E-2	CALE W H	TAILOR SHOP	242	50	.	.	1	300	150	600	450
0030	E-3	WITHERALL ELIZABE	TAILOR SHOP	243	40	.	.	1	100	300	600	300
0029	E-1	WILLIS H S	TAILOR SHOP	243	130	.	.	1	300	100	500	100
0029	B-1	GEMMELL CHRISTINA	MILLINER/DRESSMA	249-M/244	100	.	.	2	200	200	460	260
0029	E-1	RUSSELL WILLIAM	TAILOR SHOP	242	40	.	.	1	300	500	400	-100
0029	B-1	MCINTYRE JAMES	TAILOR	243	40	.	.	1	120	75	280	205
0030	H	MCKAY ALEXAND	TAILOR SHOP	242	200	.	.	1	.	200	250	50
0030	E-3	ROZZELL NATHANIEL	TAILOR SHOP	243	20	.	.	1	.	60	150	90
0029	B-4	FURNESS MRS	TAILOR	243	.	.	.	2	.	.	60	.
0029	B-4	PARKER MRS MARGAR	TAILOR	243	.	.	.	1	.	.	50	.
0029	E-1	RUIN JULIA	MILLINER SHOP	249-M	100	.	.	7	.	.	.	.
0029	G-1	CASEY MARY JANE	MILLINERY SHOP	244/249-M	.	.	.	1	.	.	.	.
					42370	0	255	46380	116040	214297	98147	

PERTH COUNTY: SAWMILLS AND WOOD PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-4	SCRINGEOUR BROS ?	SASH/DOOR/PLANIN	254	10000	STEAM	30	22	7800	30000	45000	15000
0030	C-5	EASSON WILLIAM	SAW/PLANING MILL	251	20000	STEAM	25	40	10000	15000	27000	12000
0029	C-2	KIDD JOSEPH	SAW MILL	251	3000	STEAM	22	8	1500	16000	20000	4000
0030	E-5	DAVIES BROS	SAW MILL	251	22000	STEAM	30	10	3000	8000	18000	10000
0030	F-4	GAMBLE JAMES	SAW/GRIST MILL	251/105	4000	STEAM	20	6	1200	13500	17500	4000
0030	A-4	FOX T L	PLANING MILL	251	1750	STEAM	16	6	1000	8500	11500	3000
0030	A-3	SILLS G H & J	SAW MILL	251	4000	STEAM	25	10	2750	7000	11040	4040
0030	E-5	BAECHLER & MATHEW	SAW MILL	251	14000	STEAM	25	9	2000	4800	10800	6000
0030	E-5	STEWART & WILSON	SAW MILL	251	12000	STEAM	25	12	1600	4000	10000	6000
0030	E-3	AITCHISON ANDREW	SAW/SHINGLES MACH	251/251-S	3000	STEAM	20	7	1600	3500	9350	5850
0030	B-1	RAITZ HENRY	SAW/PLANING MILL	251/251-S	6000	STEAM	35	10	2350	3600	9000	5400
0030	C-1	ELDER GEORGE	STAVE FACTORY	251	6000	STEAM	25	26	5000	800	8500	7700
0030	E-5	WINSTANLEY E	SAW MILL	251	20000	STEAM	25	10	2500	4000	8500	4500
0029	C-1	ANDERSON & CO	STAVE/HEADING MF	251	5000	STEAM	35	14	2000	4500	8000	3500
0030	B-3	KASTNER & LITT	SAW MILL	251	5000	STEAM	18	6	1560	3200	8000	4800
0030	E-2	CODE GEORGE	SAW MILL	251	1000	WATER	•	4	400	4400	8000	3600
0030	G-4	MCDERMOT JOHN	SAW MILL	251	2000	WATER	30	4	300	4000	8000	4000
0030	C-1	RIGGS ISAAC	SAW MILL/BUILDIN	251	3000	STEAM	16	8	2800	3000	7500	4500
0030	F-3	MICKLE & PACEMORE	SAW MILL	251/251-S	18000	STEAM	40	8	2600	4200	7000	2800
0029	B-3	GARNER WILLIAM	SAW MILL	251	5000	STEAM	20	14	4000	1000	6975	5975
0029	E-2	FLAGG & BURRITT	SAW/SHINGLES MILL	251/251-S	2000	STEAM	18	8	1100	3200	6000	2800
0030	A-2	JONES ROBERT	SAW MILL	251	5000	STEAM	40	6	1092	2500	6000	3500
0030	C-1	DALY ROBERT	COOPERAGE	259-C	1000	STEAM	•	6	2400	2200	6000	3800
0030	F-2	WRIGHT JAMES	SAW MILL	251/251-S	2000	STEAM	18	8	1600	950	6000	5050
0030	B-3	CRINKLEY A & W B	SAW MILL	251/251-S	4500	STEAM	16	8	1900	2500	5500	3000
0030	E-5	BECK CHARLES	SAW MILL	251	7000	STEAM	16	9	2000	3000	5400	2400
0029	B-1	CRAIG & HAMILTO	SASH/DOOR/BLIND	254	2000	STEAM	13	5	2160	3000	5200	2200
0029	E-2	SMITH JAMES	COOPERAGE	259-C	250	STEAM	•	4	1200	1500	5000	3500
0029	G-3	FOX T L	SHINGLE FACTORY	251-S	1500	STEAM	15	6	1400	2500	5000	2500
0030	A-4	FOX T L	SHINGLE FACTORY	251	1750	STEAM	16	6	1000	1500	5000	2500
0030	E-4	WILSON J	SAW MILL	251	3000	STEAM	20	10	2500	2000	5000	3000
0030	B-2	MILLER SAMUEL	SAW MILL	251	4000	STEAM	•	5	746	2800	4900	2100
0030	D-1	STEWART DUNCAN	SAW MILL	251	3500	STEAM	16	3	100	1400	3600	2200
0030	D-3	KOLLMAN JACOB	SAW MILL	251	2800	STEAM	18	5	900	1600	3200	1600
0030	A-3	ROCK GEORGE	SAW MILL	251	5000	STEAM	35	5	800	2000	3040	1040
0029	G-2	ZIMMERMAN & CO	STAVE FACTORY	251	4500	STEAM	30	9	1500	1300	2600	1300
0030	G-3	BRISTOW EDWARD	SAW MILL	251	3300	WATER	20	4	375	1200	2510	1310
0030	B-3	BRUNNER JACOB	SAW MILL	251/251-S	3000	STEAM	16	6	900	900	2500	1600
0030	C-1	NEEDHAM W	COOPER SHOP	259-C	600	STEAM	•	3	1200	1000	2500	1500
0030	A-1	SIEBERT FRANCIS	SAW MILL	251	1000	STEAM	14	5	200	1500	2400	900
0030	A-3	MORRISON WILLIAM	SAW MILL	251	800	STEAM	16	3	450	805	2214	1409
0030	D-1	WILCOX JAMES	SHINGLE FACTORY	251-S	1000	STEAM	12	12	400	650	2200	1550
0029	E-2	STEWART ANGUS	CARPENTER/JOINER	254	200	STEAM	•	2	850	1000	2100	1100
0029	E-2	SMITH JAMES	STAVE FACTORY	251	1200	STEAM	•	13	456	1000	2000	1000
0030	B-3	KASTNER JOHN	SAW MILL	251	2500	STEAM	18	6	1000	800	2000	1200
0029	F-2	INMAN & THOMPSON	SAW MILL/TURNING	256/259	4000	W/S	28	2	800	1000	1800	800
0030	B-1	HILL BROS	STAVE FACTORY	251	400	STEAM	•	9	520	800	1700	900
0029	B-1	MARLATT & MURRAY	CARPENTER/BUILD I	254	800	STEAM	•	1	300	600	1525	925
0029	D-2	RIGG ANTHONY	CARPENTER/JOINER	254/261	200	STEAM	•	4	1000	100	1500	1400
0030	D-3	DRYHOY JOHN ?	PLANING FACTORY	251	2000	STEAM	•	5	1000	100	1500	1400
0030	G-4	MCCAUGHEN DANIEL	SAW MILL	251	2000	STEAM	20	8	200	500	1500	1000
0030	E-4	MITCHELL WILLIAM	SAW MILL	251	2500	STEAM	18	8	200	652	1325	673
0030	G-1	BOUD JOHN	SAW MILL	251	3300	STEAM	30	3	400	600	1300	700
0029	F-3	FULCHER JOSEPH	COOPERAGE	259-C	100	STEAM	•	2	1100	200	1200	1000
0030	B-2	SCHALPH MICHAEL	SAW MILL	251	500	WATER	5	3	100	750	1200	450
0030	D-1	SINCLAIR JAMES	CARPENTER/JOINER	259	300	STEAM	•	3	300	240	1000	760
0030	E-5	FOSTER WILLIAM	CABINETRY/JOINER	259	400	STEAM	•	2	800	150	1000	850
0029	B-4	KERR SIMON R	CARPENTER/UNDERT	254/258	200	STEAM	•	2	500	250	800	550
0030	D-4	GABEL JOHN	SAW MILL	251	•	WATER	30	1	156	500	800	300

PERTH COUNTY: SAWMILLS AND WOOD PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUMPROC	VADD
0029	B-1	BARRON	JAMES L COOPER SHOP	259-C	75			1	200	200	750	550
0030	H	HEPPLER	COOPER SHOP	259-C	800	STEAM	15	1	400	150	750	600
0029	E-2	SMITH	COOPER SHOP	259-C	170			2	300	200	700	500
0029	E-2	STONEMAN	JOHN COOPER SHOP	254	150			2	400	120	600	480
0030	C-5	HAY	GEORGE UNDERTAKING	258	250			1		200	600	400
0030	E-3	ROZZELL	JOSEPH H CARPENTER SHOP	254	500			2	300	100	600	500
0030	E-4	LEWON	HENRY ? SHINGLEMAKER	251-S	10			1		155	600	445
0029	B-4	FALCONER	ALEXAND CARPENTER SHOP	254	200			2	400	60	500	440
0030	B-2	KOLSCHMIDT	FREDER CARPENTER SHOP	259	200			2	150	40	500	460
0029	B-1	BUTCHER	JOHN COOPER SHOP	259-C	200			3	300	80	490	410
0030	F-2	BEARINGER	NOAH SAW MILL	251	800	WATER	12	2	150	100	480	380
0029	B-4	INGERSOLL	CHARLES COOPER SHOP/REPA	259-C	100			2	300	70	400	330
0029	D-2	GOURLEY	JAMES CARPENTER SHOP	254/261	50			1	300	10	400	390
0029	G-2	KALBLEISH & SCHA	SASH FACTORY	254	2000	STEAM	20	5	600	100	400	300
0029	B-3	MITCHELL	SAMUEL BEEHIVE FACTORY	259	600			2	212	148	390	242
0029	F-1	GERLING	GEORGE COOPERAGE	259-C	200			2	200	100	350	250
0030	G-4	KNOWLES	THOMAS CARPENTER SHOP	254				2	78	36	300	264
0030	G-3	SCHIENBIEN	NICHOL HOOP FACTORY	251	15			3		20	100	80
0030	E-4	JOLLY	JAMES SHINGLEMAKER	251-S	5			1			55	
0030	H	GALLOWAY & CO	COOPER SHOP	259-C	600			7	400	465		
					250275		1035	484	96455	194601	384644	190453

PERTH COUNTY: FURNITURE SHOPS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUMPROC	VADD
0030	C-5	JOHNSON	ABRAHAM CABINETS/UPHOLST	261	3000			10	4000	4000	10000	6000
0030	H	HESS & CO	FURNITURE FACTORY	261	6000	STEAM	10	13	2500	3000	10000	7000
0030	C-1	MCAVOY & BOX	CABINET FACTORY	261	2300			6	1060	4800	7040	2240
0030	C-3	CAMPBELL	DAVID FURNITURE/CABINE	261	5000	STEAM	8	5	1300	2000	6000	4000
0029	B-1	HERRINGTON	AMOS CABINET MANUFACT	261	2000			4	1500	750	3000	2250
0029	B-2	BAILEY	THOMAS CABINTRY/UNDERT	261/258	500			3	500	1000	1700	700
0029	G-1	CAIRNCROSS	JAMES CARPENTER SHOP	261	550			3	600	700	1600	900
0030	A-1	RUNNENBURG & CO	CARPENTER SHOP	261	300			2	400	100	600	500
0029	B-4	KUNZ	JACOB CABINET/REPAIR S	261	200			1	400	60	500	440
0030	E-2	COUSINS	CHARLES CABINET SHOP	261	100			1		80	300	220
0030	G-4	HANNAH	JOHN CARPENTER SHOP	261				2	30	48	100	52
					19950		18	50	12290	16538	40840	24302

PERTH COUNTY: TINSMITHS AND METAL FABRICATING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	B-2	GILPIN JOHN C	STOVE/TIN STORE	307-S/304-T	3000		.	10	3000	5000	10000	5000
0030	C-3	OSBERT JOHN JAMES	TIN/STOVE SHOP	307-S/304-T	1100		.	2	336	4000	10000	6000
0030	C-5	BIRCH & SONS	TINSMITH	304-T	2500		.	4	1300	600	7000	3600
0030	C-5	WHITTAKER SAMUEL	TIN SHOP	304-T	3000		.	3	1000	3400	7000	2500
0029	E-3	MULHERON A & J	FOUNDRY/AGRC WOR	307-S/311	4500	STEAM	10	6	1000	1500	4000	2850
0030	H	MORTIMER GEORGE	TINSMITH SHOP	304-T	2000		.	4	1953	1150	4000	1000
0029	E-2	MULHERON A THOMAS	TINSMITH SHOP	304-T	300		.	2	650	2000	3000	2062
0029	B-1	CURRIE JOHN C	TIN/COPPER/IRONW	304-T	400		.	3	862	900	2962	2000
0029	F-1	SMITT ERNEST	TINSMITH	304-T	1200	HORSE	1	2	550	800	2800	1400
0029	B-1	GILPIN WILLIAM	TIN/COPPER/IRON	304-T	200		.	2	700	1000	2400	1900
0030	C-2	PAECKERT EDWARD	GUNSMITH/LOCKSMI	309/309-S	2000		.	1	500	100	2000	300
0030	H	SCHNEIDER WILLIAM	TIN SHOP	304-T	1000		.	1	200	400	700	350
0030	D-1	EILER JOHN	TINSMITH SHOP	304-T	400		.	1	300	150	500	150
0029	D-1	HAYES CHRISTOPHER	FILE CUTTER	306-S	200	HORSE	1	1	.	.	150	.
0030	H	MITCHELL JAMES	CRADLE MAKING SH	306	100		.	1	.	.	.	.
					21900		12	43	12351	21000	56512	35362

PERTH COUNTY: MACHINERY PRODUCERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	E-3	THOMPSON & WILLIA	AGRC WORKS/ENGIN	315-E/315	25000	STEAM	30	106	40000	50000	150000	100000
0029	B-4	HAGGERT W & T	FOUNDRY/AGRC IMP	311	8000	STEAM	12	28	9000	6350	31400	25050
0030	C-3	SHARMAN JOSEPH	AGRC IMPL/FOUNDR	311	5000	STEAM	12	23	7000	3000	15000	12000
0029	B-2	MOORE JOHN & SO	IRON FOUNDRY	311	4000	STEAM	40	8	2000	7500	13000	5500
0030	C-3	LEAN RODERIC	AGRC MACHINE MF	311	4000	STEAM	3	5	1400	2800	5600	2800
0030	C-4	YEANDIE THOS ?	BLACKSMITH	311	2000		.	5	2160	1300	5225	3925
0030	H	LOCKIE & TURNBUL	FOUNDRY/MACHINE	311	7500	STEAM	8	11	1000	1000	4700	3700
0030	F-5	MCLACHLAN JOHN C	FOUNDRY	311	2000	STEAM	10	5	500	1272	3000	1728
0029	C-2	BOWES & STEPPLE	PUMP MILL/RAKE F	315-P	4500	HORSE	3	2	.	600	2200	1600
0029	B-2	VANZANT & CURRIE	PUMP FACTORY	315-P	300		.	1	400	500	2000	1500
0030	A-1	COOK ADAM	PUMP FACTORY	315-P	500	HORSE	1	2	160	220	1600	1380
0029	B-1	JARDINE JAMES & S	AG IMPLS/BLACKSM	311/896	200		.	1	400	600	1400	800
0029	G-4	BLAIN WILLIAM	BLACKSMITH SHOP	311/896	500		.	2	500	400	1400	1000
0030	E-3	PELTON L & W	PUMP FACTORY	315-P	300	HORSE	1	2	600	111	1200	1089
0030	F-2	GIBSON JOHN	PLOUGH/WAGON SHO	311/329	200		.	1	250	40	600	560
0030	C-2	OSBORNE & WERRELL	PUMP FACTORY	315-P	150		.	2	.	60	300	240
0030	F-5	CROSWALL JOHN	PUMP SHOP	315-P	200		.	2	200	100	300	200
0030	G-3	ORTH PHILIP H	PUMP MANUFACTORY	315-P	60		.	1	12	14	168	154
0030	G-1	MCLEAN JAMES	BLACKSMITH SHOP	311/896	150		.	1	.	43	135	92
0030	G-4	DUNGY WILLIAM	PUMPMAKER	315-P	.		.	1	3	5	30	25
					64560		120	209	65585	75915	239258	163343

PERTH COUNTY: NON-METALLIC MINERALS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	D-3	HANSON THOMAS	BRICK FACTORY	351-B	400	HORSE	1	3	300	40	4000	3960
0029	B-2	LESLIE JAMES	LIME KILN/STONE	358-L/353	500		.	6	1200	800	3500	2700
0030	C-2	ROBERTS WILLIAM	BRICK YARD	351-B	1000	HORSE	2	7	2000	500	3000	2500
0029	A-2	SHIER JONATHAN	BRICK MANUFACTORY	351-B	400	HORSE	2	7	1200	90	2400	2310
0030	C-5	MYERS ROBERT	BRICK YARD	351-B	300	HORSE	1	9	1200	100	2100	2000
0030	B-1	LONEY THOMAS	BRICK YARD	351-B	1000	HORSE	2	6	1000	150	1800	1650
0030	A-1	ETTY WILLIAM	BRICK YARD	351-B	400	HORSE	1	6	600	100	1650	1550
0029	B-2	ELLIOT JAMES	STONE QUARRY	353	400		.	3	350	600	1000	1550
0029	D-2	LEMMONS GEORGE	BRICK KILN	351-B	130	HORSE	1	5	500	137	1000	863
0029	B-2	WHITSON JAMES	STONE/MARBLE CUT	353	300		.	1	400	300	800	500
0029	C-2	DALTON ROBERT	LIME KILN	358-L	40		.	2	100	90	600	510
0029	F-5	HARRISON WILLIAM	LIME KILN	358-L	200		.	4	400	75	585	510
0029	D-2	O'HODGE WILLIAM	BRICK KILN	351-B	200		.	6	494	70	570	500
0029	B-2	LAIDLAW JOHN	STONECUTTER	353	.		.	1	300	100	400	300
0030	G-2	SMITH HENRY	LIME KILN	358-L	20	HORSE	2	2	100	60	270	210
0030	G-1	SMITH WILLIAM	BRICK YARD	351-B	60		.	2	45	41	220	.
0030	A-1	HANNON WILLIAM	LIME KILN	358-L	60		.	3	30	40	208	167
0030	A-1	HATTEN JOSEPH	LIME KILN	358-L	50		.	3	30	40	200	160
0030	B-1	PINDAR WILLIAM	LIME KILN	358-L	50		.	2	50	12	144	132
0029	C-3	HAMMOND THOMAS	LIME KILN	358-L	300		.	1	100	20	125	105
0030	G-2	MCILROY ROBERT	BRICK YARD	351-B	.	HORSE	1	3	50	5	100	95
0030	G-1	SMITH J & G	BRICK YARD	351-B	10	HORSE	2	3	.	.	55	.
					5770		14	85	10419	3330	24727	21122

PERTH COUNTY: CHEMICALS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	F-5	DOBSON JOSEPH	POT ASHERY	378-P	800		.	2	400	420	12000	11580
0030	C-5	RIGGS BENJAMI	SOAP FACTORY	376	4000		.	1	450	8500	10000	1500
0030	C-5	COREY T F & S	PATENT MEDICINE	374	600		.	3	.	3270	8500	5230
0030	C-5	MCCRACKEN FRANCIS	ASHERY	378-P/376	1000		.	3	1000	500	3600	3100
0029	E-2	MCMANUS & POTTS	POTASH FACTORY	378-P	500		.	5	720	1620	3360	1740
0029	B-2	MCLEAN JOHN	CHEMIST/DRUGGIST	374	1000		.	1	400	2000	3000	1000
0030	C-3	DUTTON JOHN	CHEMIST/DRUGGIST	374	1500		.	3	250	2000	3000	1000
0029	B-4	GRAHAM WILLIAM	POT ASHERY	378-P	480		.	2	800	900	2800	1900
0029	B-2	STODDART ARCHIBAL	CHEMIST/DRUGGIST	374	1000		.	2	400	1000	1800	1000
0029	B-1	MCDONALD JOHN	ASHERY	378-P	75		.	2	450	300	1300	1000
0030	H	WHITE ALBERT	MATCH MAKING	379-M	200	HORSE	1	1	.	.	300	.
0030	H	WADE JOHNSON	ASHERY	378-P	200		.	1	.	.	.	.
					11355		1	26	4870	20510	49660	28850

PERTH COUNTY: CONSTRUCTION TRADES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	F-4	ORE THOMAS	CONTRACTOR	421-C	1200	.	.	10	1500	12000	15000	3000
0030	C-2	MCDONALD D B	CARPENTER/BUILD	421-C	1800	.	.	8	3000	6000	10000	4000
0030	C-5	NICOL DAVID	CARPENTER SHOP	421-C	800	.	.	4	1500	3100	5500	2400
0029	B-2	BARBOUR ROBERT	CARPENTER/BUILD	421-C	800	.	.	6	2500	2000	4500	2500
0030	C-5	GLENDINNING CRISP	PAINT SHOP	421-D	400	.	.	5	800	1150	4000	2850
0029	E-2	SEDGWICK WILLIAM	PAINTER/DECORATO	421-D	400	.	.	3	1000	1500	3500	2000
0030	G-3	MCILROY JAMES	MASON/PLASTERER	421-S	100	.	.	2	300	590	1770	1180
0030	G-1	HOTEL MANUEL	CARPENTER/JOINER	421-C	150	.	.	2	78	512	1200	688
0030	G-4	DYKMAN DANIEL W	CARPENTER SHOP	421-C	.	.	.	2	100	400	1000	600
0030	C-5	PENGELLY RICHARD	PAINT SHOP	421-D	50	.	.	2	40	120	800	680
0030	G-3	HAINSWORTH ALBERT	CARPENTER SHOP	421-C	150	.	.	2	200	200	500	300
0030	F-5	ELISWICH GEORGE	STONEMASON	421-S	100	.	.	1	200	200	400	200
0030	G-4	SMITH K J	CARPENTER SHOP	421-C	.	.	.	2	150	160	400	240
0030	G-1	MCXAY ALEXANDER	CARPENTER/JOINER	421-C	.	.	.	1	.	122	275	153
0030	G-3	KURTZ JOHN	FRAMER ESTABLISH	421-C	130	.	.	2	48	68	184	116
0030	E-2	LARGE JOHN	CARPENTER SHOP	421-C	250	.	.	1	100	150	.	.
					=====			=====				
					6330		0	53	11516	28272	49029	20907

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-4	HAMMER	JACQUES	896	600	.	.	2	850	3000	5310	2310
0029	D-1	BABB WILLIAM	BLACKSMITH	FORGE 896	500	.	.	4	700	125	2500	2375
0030	C-5	COWEN & MCTAVIS	BLACKSMITH	FORGE 896	500	.	.	4	400	600	2500	1900
0030	F-3	WALKER WILLIAM	BLACKSMITH	SHOP 896	1000	.	.	3	300	2000	2000	1300
0029	A-2	ASH MICHAEL	BLACKSMITH	FORGE 896	350	.	.	1	400	860	1600	740
0030	F-5	ELLIOTT JOHN	BLACKSMITH	SHOP 896	500	.	.	1	200	400	1600	1200
0030	D-1	BATRAM B G	BLACKSMITH	SHOP 896	1000	.	.	2	50	580	1500	920
0030	D-2	WEISNER CHRISTOPH	BLACKSMITH	FORGE 896	150	.	.	2	400	60	1500	1440
0029	A-1	DAWSON NEIL	BLACKSMITH	SHOP 896	500	.	.	2	600	105	1300	1195
0030	B-1	HACH JACOB	BLACKSMITH	SHOP 896	600	.	.	2	600	200	1200	1000
0029	B-4	GIBB DAVID	BLACKSMITH	SHOP 896	300	.	.	2	470	250	1000	750
0030	E-2	SMITH ROBERT	BLACKSMITH	SHOP 896	400	.	.	1	.	320	1000	680
0030	F-3	MERRLINGER D	BLACKSMITH	SHOP 896	330	.	.	1	70	200	1000	800
0030	E-4	GRAY DANIEL	BLACKSMITH	SHOP 896	200	.	.	2	660	100	900	800
0029	C-3	ALLEN JAMES	BLACKSMITH	FORGE 896	500	.	.	2	420	100	800	700
0029	D-1	HOCH GEORGE	BLACKSMITH	FORGE 896	200	.	.	2	500	150	800	650
0029	F-3	GRADDY JOHN	BLACKSMITH	FORGE 896	450	.	.	2	620	60	800	740
0030	E-4	MORRISON JOHN	BLACKSMITH	SHOP 896	300	.	.	2	45	200	800	600
0030	B-2	BROWN EDWARD	BLACKSMITH	FORGE 896	300	.	.	2	300	200	750	550
0030	D-3	HESSENFLEW HENRY	BLACKSMITH	FORGE 896	100	.	.	1	360	400	750	350
0029	D-1	SIMPSON WILLIAM	BLACKSMITH	FORGE 896	500	.	.	2	450	300	700	400
0030	A-2	ZESTERER LEANDER	BLACKSMITH	FORGE 896	200	.	.	2	600	36	700	664
0030	C-5	WALTERS HENRY	BLACKSMITH	FORGE 896	50	.	.	1	.	340	700	360
0030	D-4	HOFFMANN PETER	BLACKSMITH	FORGE 896	400	.	.	1	400	250	700	400
0030	F-2	CONNELLY THOMAS	BLACKSMITH	FORGE 896	400	.	.	1	500	140	700	560
0030	F-4	ROBINSON WILLIAM	BLACKSMITH	SHOP 896	600	.	.	1	600	180	700	520
0030	F-4	ARMSTRONG JOHN	BLACKSMITH	SHOP 896	950	.	.	1	300	250	700	450
0029	F-5	THOMPSON ROLAND	BLACKSMITH	FORGE 896	300	.	.	1	400	150	660	510
0029	D-2	HAINS ?	BLACKSMITH	SHOP 896	400	.	.	1	400	110	600	490
0029	D-2	ANSWORTHY JOHN	BLACKSMITH	SHOP 896	100	.	.	1	400	170	600	430
0029	F-5	GASTON ALEX	BLACKSMITH	FORGE 896	100	.	.	1	400	100	600	500
0029	G-1	SEIBERT OTTO	BLACKSMITH	SHOP 896	100	.	.	1	400	130	600	470
0030	F-5	WOOD JAMES	BLACKSMITH	SHOP 896	500	.	.	1	.	300	600	300
0030	G-4	MORGAN ROBERT H	BLACKSMITH	SHOP 896	.	.	.	1	250	80	600	520
0029	A-4	CLARKSON REUBEN	BLACKSMITH	SHOP 896	500	.	.	1	300	150	500	350
0029	F-2	MCKELLER JOHN	BLACKSMITH	SHOP 896	200	.	.	1	280	320	500	180
0030	B-2	DILL CHRISTOPHER	BLACKSMITH	FORGE 896	400	.	.	2	100	280	500	220
0030	F-1	LOWRIE JAMES	BLACKSMITH	FORGE 896	400	.	.	1	130	50	500	450
0030	E-3	HALL EDMOND	BLACKSMITH	SHOP 896	100	.	.	1	360	150	450	300
0029	A-3	HONEY JAMES	BLACKSMITH	FORGE 896	200	.	.	1	300	100	400	300
0030	F-5	DAVIDSON DONALD	BLACKSMITH	FORGE 896	100	.	.	1	300	18	400	382
0030	F-5	GALLOP CORNELIUS	BLACKSMITH	SHOP 896	200	.	.	1	.	200	400	200
0030	G-1	BRISTOW WALTER	BLACKSMITH	SHOP 896	200	.	.	1	.	200	400	200
0030	A-2	ZIMMERMAN ADAM	BLACKSMITH	FORGE 896	50	.	.	1	300	9	350	341
0029	A-3	TAYLOR JOSEPH	BLACKSMITH	FORGE 896	100	.	.	1	312	100	300	200
0029	C-3	LATTA JOHN	BLACKSMITH	FORGE 896	200	.	.	1	250	25	300	275
0030	D-4	MOUTOUX PETER	BLACKSMITH	FORGE 896	100	.	.	1	150	150	300	150
0030	F-1	HONER CHRISTIAN	BLACKSMITH	FORGE 896	150	.	.	1	200	25	300	275
0029	A-2	NELSON WILLIAM	BLACKSMITH	FORGE 896	75	.	.	1	400	50	250	200
0029	A-3	WALLACE JAMES	BLACKSMITH	FORGE 896	100	.	.	1	100	100	200	100
0030	E-2	DOUGLAS ARTHUR	BLACKSMITH	SHOP 896	100	.	.	1	150	30	200	170
0030	G-3	KAUFMAN ADAM	BLACKSMITH	SHOP 896	50	.	.	1	.	50	200	150
0030	G-3	WEBER ISAAC WINGE	BLACKSMITH	FORGE 896	60	.	.	1	.	15	60	45
0029	A-4	CONLEY & HENDERSO	BLACKSMITH	SHOP 896	60	.	.	1	.	13	40	27
0030	H	GREEN JAMES	BLACKSMITH	SHOP 896	600	.	.	2	175	.	.	.
										17625	0	80
										16852	45720	32529

PERTH COUNTY: FIRMS WITH 25+ HP INANIMATE POWER, 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	B-2	BOX & SOMERVI	FLOUR MILL	105	20000	WATER	80	7	2500	70000	75000	5000
0030	F-5	BOWMAN JOSHUA	GRIST/SAW MILL	105/251	4500	W/S	80	4	1260	31800	49880	18080
0029	B-2	SIMPSON GEORGE	FLOUR MILL	105	6000	WATER	50	4	1400	45000	57000	12000
0029	E-2	HOLLAND F	FLOUR/GRIST MILL	105	20000	WATER	50	6	2000	50000	55000	5000
0030	H	CLIMIE & BILLING	FLOUR/GRIST/SAW	105/251	12000	STEAM	50	11	2069	9565	16000	6435
0029	B-2	MOORE JOHN & SO	FLOUR MILL	105	8000	STEAM	40	16	2000	15500	25000	9500
0029	B-2	MOORE JOHN & SO	IRON FOUNDRY	311	4000	STEAM	40	8	2000	7500	13000	5500
0029	G-2	MALCOLM GEORGE	GRIST MILL	105	8000	STEAM	40	3	900	96250	96250	.
0030	A-2	JONES ROBERT	SAW MILL	251	5000	STEAM	40	6	1092	2500	6000	3500
0030	B-1	GEOTTLER ANTHONY	GRIST MILL	105	8000	STEAM	40	3	900	13000	15851	2851
0030	C-5	ARGO ADAM L	FLOUR MILL	105	1200	W/S	40	7	2700	49400	71000	21600
0030	F-3	MICKLE & PACEMORE	SAW MILL	251/251-S	18000	STEAM	40	8	2600	4200	7000	2800
0029	A-4	MCKAY JOHN	GRIST MILL	105	5000	WATER	35	3	600	2000	3500	1500
0029	C-1	ANDERSON & CO	STAVE/HEADING MF	251	5000	STEAM	35	14	2000	4500	8000	3500
0030	A-3	ROCK GEORGE	SAW MILL	251	5000	STEAM	35	5	800	2000	3040	1040
0030	B-1	RATZ HENRY	SAW/PLANING MILL	251/251-S	6000	STEAM	35	10	2350	3600	9000	5400
0030	E-2	BREWER ALFRED	FLOUR MILL	105	6500	STEAM	35	3	800	20000	22000	2000
0029	E-3	THOMPSON & WILLIA	AGRC WORKS/ENGINE	315-E/315	25000	STEAM	30	106	40000	50000	150000	100000
0029	F-3	IREDALE JOSEPH	FLOUR MILL	105	12300	WATER	30	1	400	7000	8460	1460
0029	G-2	ZIMMERMAN & CO	STAVE FACTORY	251	4500	STEAM	30	9	1500	1300	2600	1300
0030	C-4	SCRINGEOUR BROS ?	SASH/DOOR/PLANIN	254	10000	STEAM	30	22	7800	30000	45000	15000
0030	D-4	GABEL JOHN	GRIST MILL	105	8000	WATER	30	2	500	15000	21000	6000
0030	D-4	GABEL JOHN	SAW MILL	251	.	WATER	30	1	156	500	800	300
0030	E-5	DAVIES BROS	SAW MILL	251	22000	STEAM	30	10	3000	8000	18000	10000
0030	G-1	BOUD JOHN	SAW MILL	251	3300	STEAM	30	3	400	600	1300	700
0030	G-4	MCDERMOT JOHN	SAW MILL	251	2000	WATER	30	4	300	4000	8000	4000
0029	F-2	INMAN & THOMPSON	SAW MILL/TURNING	256/259	4000	W/S	28	2	800	1000	1800	800
0030	F-5	NICKLIN JOHN	GRIST MILL	105	2000	W/S	28	2	460	25000	28000	3000
0029	E-2	AIKINS J & HILL J	FLOUR/GRIST MILL	105	3000	STEAM	25	3	900	14000	16000	2000
0030	A-3	SILLS G H & J	SAW MILL	251	4000	STEAM	25	10	2750	7000	11040	4040
0030	B-1	KASTNER PETER	BREWERY	109-B	10000	STEAM	25	5	3560	3800	9120	5320
0030	B-1	KASTNER PETER	DISTILLERY	109-D	8000	STEAM	25	4	780	2112	3178	1066
0030	C-1	ELDER GEORGE	STAVE FACTORY	251	6000	STEAM	25	26	5000	800	8500	7700
0030	C-2	MARSHALL & FULLER	FLAX SCUTCHING M	189-F	8000	STEAM	25	50	7000	.	20200	.
0030	C-5	EASSON WILLIAM	SAW/PLANING MILL	251	20000	STEAM	25	40	10000	15000	27000	12000
0030	E-5	BAECHLER & MATHEW	SAW MILL	251	14000	STEAM	25	9	2000	4800	10800	6000
0030	E-5	STEWART & WILSON	SAW MILL	251	12000	STEAM	25	12	1600	4000	10000	6000
0030	E-5	WINSTANLEY E	SAW MILL	251	20000	STEAM	25	10	2500	4000	8500	4500
									1376	451	121977	534477
									343300	948419	297492	

PERTH COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-2	WILLIAMSON & POST	MILLINER/TAILOR	249-M	10000			28	11000	30000	65000	35000
0029	B-1	SMITH G B	TAILOR/MILLINERY	243	2000			22	4950	9237	17687	8450
0030	C-2	MARSHALL & FULLER	FLAX SCUTCHING M	189-F	8000	STEAM	25	22	7000		20200	
0029	B-1	ROBERTSON ALEX	FLAX MILL	189-F	10000	STEAM	16	18	7000	15600	30367	14767
0029	B-2	EATON JAMES & ROBERT	CLOTHING/MILLINE	242	6500			16	3080	6500	11580	5080
0029	B-3	EATON ROBERT	HOOPSKIRT FACTOR	244	600			12	1246	5100	7000	1900
0029	B-1	BEATTIE A & CO	TAILOR/MILLINERY	243	2000			11	2800	7200	12000	4800
0030	C-1	ADAMS JOHN	TAILOR	243	5000			11	2500	6720	9100	2380
0030	C-2	HORNE & CLARK	TAILOR/MILLINER	244	3800			10	2000	8000	12000	4000
0029	B-2	MCINTOSH WILLIAM	CLOTHING/MILLINE	242	1000			8	3200	7000	10500	3500
0030	C-3	SCHOLTZ JOHN F	WHIP/LEATHER MF	179-W	2000			8	1700	9000	11000	2000
0029	E-1	RUIN JULIA	MILLINER SHOP	249-M	100			7				
0029	E-2	CLEGG J G	MILLINERY	249-M	2000			7	600	2000	4000	2000
0029	B-2	BROWN SUSANNA	MILLINER/DRESSMA	244	400			6	600	1500	2600	1100
0029	E-2	FORRESTER ANDREW	FLAX MANUFACTORY	189-F	7000	STEAM	16	6	2600	7000	10000	3000
0030	C-2	GORDON JAMES	DRESSMAKER/MILLI	244	500			6	1000	4000	7500	3500
0030	C-3	SUGDEN & SONS	WOOLEN MILLS	182	9000	STEAM	18	6	2750	7000	14000	7000
0030	H	MAYNARD GEORGE	MILLINER SHOP	249-M	700			6	864	400	3000	2600
0030	H	HAY DAVID D	CHEESE FACTORY	104	400			6	400	900	1000	100
0030	C-5	CLARK J J	TAILOR SHOP	243				5	1600	5000	6600	1600
0030	H	HERMON & BOLTON	WOOLEN MANUFACTU	182	10000	STEAM	12	5	1800	2400	8000	5600
0029	B-1	DUTTON & MYERS	CARDING/CLOTH MF	189-W	10000	STEAM	13	4	3345	9000	18000	9000
0030	C-2	MACDONALD JAMES	MILLINERY/DRESSM	244	800			4	600	1500	2500	1000
0030	C-5	FRASER JOHN	TAILOR SHOP	243	200			4	500	2000	3500	1500
0030	C-5	GORDON BROS	MILLINERY SHOP	249-M	1000			4	720	2500	4500	2000
0029	A-5	ST JOHN ADAM	CHEESE FACTORY	104	400			3	200	80	330	250
0029	B-2	JOHNSTON THOMAS	MILLINERY/DRESSM	244	400			3	300	1000	1600	600
0029	B-2	MCCALLUM BERTHA	DRESSMAKER	244	600			3	600	1000	2000	1000
0029	B-2	GREAVES CHRISTI	MILLINER	244	100			3	200	350	600	250
0029	G-4	CORBETT EDMUND	WOOLEN FACTORY	182	2000	STEAM	10	3	600	1500	2500	1000
0030	C-3	CAMPBELL DAVID	FURNITURE/CABINE	261	5000	STEAM	8	3	1300	2000	6000	4000
0030	C-5	FRASER JOHN M	MILLINERY/DRESSM	249-M	500			3	300	300	1000	700
0030	D-4	BROWN JOHN E	CHEESE FACTORY	104	400			3	250		1825	
0029	B-1	GENMELL CHRISTINA	MILLINER/DRESSMA	249-M	100			2	200	200	460	260
0029	B-1	GILPIN R T	BOOT/SHOE MF	174	1000			2	1724	5000	8000	3000
0029	B-2	WILLIAMS MARY	MANTLEMAKER	244	400			2	400	1200	2000	800
0029	B-4	FURNESS MRS	TAILOR	243				2			60	
0029	C-4	HAMILTON GEORGE	CHEESE FACTORY	104	1000			2	250	5000	6000	1000
0029	D-1	BARTH MICHAEL	WEAVER	182-W	40			2	250	60	400	340
0029	E-1	WALKINSHAW JAMES	TAILOR SHOP	243	200			2	600	1000	1900	900
0029	G-2	MORLOCK & NIKER	CHEESE FACTORY	104	2000			2	400	1644	3290	1646
0030	C-5	CLARK J J	MILLINER SHOP	249-M				2	600	1200	2600	1400
0030	D-4	STUART PETER	CHEESE FACTORY	104	600			2	300	1304	1760	456
0030	G-3	WILSON ROBERT	HANDLOOM FACTORY	182-W	50			2		240	675	435
0030	G-4	BELL CATHERINE	WEAVING	182-W				2	120	460	750	290
0030	H	MINNA WILLIAM ?	TAILOR SHOP	242	100			2	100	800	3000	2200
					107890		118	292	72549	173895	338384	142404

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-1		WAGON FCY/BLACKS	329	1000			3	1400	1500	3500	2000
0030	D-4		BLACKSMITH	329	890			2	100	130	1470	1340
0030	F-1		BLACKSMITH FORGE	896	400			1	130	50	500	450
0029	E-2	ABBOTT	BOOT/SHOE/HARNES	174/179-S	2000			8	2600	3000	7000	4000
0029	B-1	ADAIR	AGRC IMPL/WAGON	329/311	4000			6	1400	1500	3270	1770
0030	C-1	ADAMS	TAILOR	243	5000			14	2500	6720	9100	2380
0030	C-3	ADAMS & BACK	MOROCCO/KID MF	172	1600			3	600	4400	6700	2300
0029	E-2	AIKINS	TANNER/CURRIER	E 172	3000			3	900	1600	3000	1400
0029	E-2	AIKINS J & HILL J	FLOUR/GRIST MILL	105	3000	STEAM	25	3	900	14000	16000	2000
0030	E-3	AITCHISON ANDREW	SAW/SHINGLE MACH	251/251-S	3000	STEAM	20	7	1600	3500	9350	5850
0029	C-3	ALLEN BENJAMIN	WAGON SHOP	329	400			1	150	100	400	300
0029	C-3	ALLEN JAMES	BLACKSMITH FORGE	896	500			2	420	100	800	700
0029	C-1	ANDERSON & CO	STAVE/HEADING MF	251	5000	STEAM	35	14	2000	4500	8000	3500
0029	D-2	ANSWORTHY JOHN	BLACKSMITH SHOP	896	100			1	400	170	600	430
0030	C-5	ARGO	FLOUR MILL	105	1200	W/S	40	7	2700	49400	71000	21600
0030	E-5	ARMSTRONG ADAM	BLACKSMITH/WAGON	329/896	500			4	600	1400	1300	1300
0030	F-4	ARMSTRONG JOHN	BLACKSMITH SHOP	896	950			1	300	250	700	450
0029	A-2	ASH MICHAEL	CARRIAGE SHOP	329	1000			2		157	1200	1043
0029	A-2	ASH MICHAEL	BLACKSMITH FORGE	896	350			1	400	860	1600	740
0029	D-1	BABB WILLIAM	BLACKSMITH FORGE	896	500			4	700	125	2500	2375
0030	E-5	BAECHLER & MATHEW	SAW MILL	251	14000	STEAM	25	9	2000	4800	10800	6000
0029	B-2	BAILEY	CABINENTRY/UNDERT	261/258	500			3	500	1000	1700	700
0030	C-1	BAIRD & BIRCH	PORK PACKING	101-P	9000			21	3600	100000	110250	10250
0029	F-1	BAILANTYNE THOMAS	CHEESE FACTORY	104	3000			7	1120	19540	23400	3860
0029	B-2	BARBOUR	CARPENTER/BUILDE	421-C	800			6	2500	2000	4500	2500
0030	C-4	BARKER	SHOE STORE	174	600			2	624	600	1500	900
0029	B-1	BARRON	COOPER SHOP	259-C	75			1	200	200	750	550
0029	D-1	BARTIE MICHAEL	WEAVER	182-W	40			3	250	60	400	340
0029	F-1	BARTIE JOHN	TAILOR	242	100			1	400	500	1000	500
0030	D-1	BATRAM B G	BLACKSMITH SHOP	896	1000			2	50	580	1500	920
0030	F-2	BEARINGER NOAH	SAW MILL	251	800	WATER	12	2	150	100	480	380
0029	B-1	BEATTIE A & CO	TAILOR/MILLINERY	243/249-M	2000			14	2800	7200	12000	4800
0030	C-1	BEATTIE SAMUEL	BOOT/SHOE FACTOR	174	1000			2	800	2000	3600	1600
0030	E-5	BECK CHARLES	SAW MILL	251	7000	STEAM	16	9	2000	3000	5400	2400
0029	B-4	BEDFORD JAMES	WEAVER/PILLMAKER	182-W/374	200			1	500	500	1400	900
0029	B-1	BELCH A J	PRINTING OFFICE	289	1100			4	800	400	1600	1200
0030	G-4	BELL CATHERINE	WEAVING	182-W				2	120	460	750	290
0030	H	BENNEWIES HENRY ?	SADDLER SHOP	179-S	600			3	300	300	1500	1200
0030	C-1	BERRY	BOOT/SHOE FACTOR	174	1000			2	600	1200	2120	920
0030	C-5	BIRCH & SONS	TINSMITH	304-T	2500			4	1300	600	7000	6400
0029	G-4	BLAIN WILLIAM	BLACKSMITH SHOP	311/896	500			2	500	400	1400	1000
0029	B-4	BLUNDELL WILLIAM	GINGER BEER FACT	109-S	100			2	150	115	300	185
0029	G-1	BOETTELBRUN C ?	SHOEMAKER SHOP	174	50			1	150	600	900	300
0030	B-1	BOLLERT WILLIAM	WEAVER SHOP	182-W	75			2	360	500	950	450
0030	H	BONNER JOHN	DENTIST	391	200			1			600	
0030	G-1	BOUD JOHN	SAW MILL	251	3300	STEAM	30	1	400	600	1300	700
0030	C-2	BOWES & STEPPLE	SWING PUMP MF	315-P	4500	HORSE	3	2		600	2200	1600
0030	F-5	BOWMAN JOSHUA	GRIST/SAW MILL	105/251	4500	W/S	80	4	1260	31800	49880	18080
0029	B-2	BOX & SOMERVI	FLOUR MILL	105	20000	WATER	80	7	2500	70000	75000	5000
0029	F-3	BOYES JOHN L	SHOEMAKER	174	70			1	300	100	500	400
0030	C-1	BRANBENBERGER W	PRESERVED MEAT	101-P	800			2	400	1612	2712	1100

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	E-2	BREWER ALFRED	FLOUR MILL	105	6500	STEAM	35	3	800	20000	22000	2000
0030	G-3	BRISTOW EDWARD	SAW MILL	251	3300	WATER	20	4	375	1200	2510	1310
0030	G-1	BRISTOW WALTER	BLACKSMITH SHOP	896	300			1		200	400	200
0029	E-2	BROOKS & DAWE	BLACKSMITH/WAGON	329/896	1000			3	1500	700	2800	2100
0029	B-2	BROWN SUSANNA	MILLINER/DRESSMA	244	400			6	600	1500	2600	1100
0030	B-2	BROWN EDWARD	BLACKSMITH FORGE	896	300			2	300	200	750	550
0030	D-4	BROWN JOHN E	CHEESE FACTORY	104	400			6	250		1825	
0030	B-3	BRUNNER JACOB	SAW MILL	251/251-S	3000	STEAM	16	6	900	900		1600
0030	C-1	BUCKINGHAM W	PRINTING OFFICE	289	6000			6	1200	1500	3500	2000
0030	F-1	BURGMAN	SHOEMAKER SHOP	174	600			1	200	100	500	400
0029	B-1	BUTCHER JOHN	COOPER SHOP	259-C	200			3	300	80	490	410
0029	G-1	CAINROSS JAMES	CARPENTER SHOP	261	550			3	600	700	1600	900
0029	E-2	CALE W H	TAILOR SHOP	242	50			1	300	150	600	450
0029	A-1	CALLENDER JOHN	BLACKSMITH/WAGON	329/896	1000			4	500	1500	3000	1500
0030	D-1	CALLIN JEREMIAH	SHOEMAKER SHOP	174	1000			2	300	1500	2500	1000
0030	C-3	CAMPBELL DAVID	FURNITURE/CABINE	261	5000	STEAM	8	5	1300	2000	6000	4000
0029	C-4	CAMPBELL WILLIAM	WAGONMAKER	329	600			1	200	60	476	416
0030	D-1	CANE JAMES	WEAVER SHOP	182-W	50			1	300	300	700	400
0029	B-1	CANHAM & WHITE	PRINTING OFFICE	289	900			2	500	300	1500	1200
0029	B-3	CARR GEORGE & CO	CARRIAGE FACTORY	329	1000			7	750	2745	6000	3255
0029	G-1	CASEY MARY JANE	MILLINERY SHOP	244/249-M	500			1		1000		
0030	H	CHAPMAN & NEWMAN	SHOEMAKER SHOP	174					300		1500	500
0029	C-4	CHUBB WILLIAM	BLACKSMITH SHOP	329	40			1	200	40	400	360
0030	C-5	CLARK J J	MILLINER SHOP	249-M				2	600	1200	2600	1400
0030	C-5	CLARK J J	TAILOR SHOP	243				9	1600	5000	6600	1600
0030	A-4	CLARKSON REUBEN	BLACKSMITH SHOP	896	500			1	300	150	500	350
0029	E-2	CLEGG J G	MILLINERY	249-M/244	2000			7	600	2000	4000	2000
0030	H	CLIME & BILLING	FLOUR/GRIST/SAW	105/251	12000	STEAM	50	11	2069	9565	16000	6435
0030	E-2	CODE GEORGE	SAW MILL	251	1000	WATER		4	400	4400	8000	3600
0029	A-4	CONLEY & HENDERSO	BLACKSMITH SHOP	896	60			1		13	40	27
0030	F-2	CONNELLY THOMAS	BLACKSMITH FORGE	896	400			1	500	140	700	560
0030	A-1	COOK ADAM	PUMP FACTORY	315-P	500	HORSE	1	2	160	220	1600	1380
0029	E-2	COPPIN JOSEPH	TAILOR SHOP	242	200			2	900	250	1300	1050
0029	G-4	CORBETT EDMUND	WOOLEN FACTORY	182	2000	STEAM	10	6	600	1500	2500	1000
0030	G-3	CORBETT GEORGE	HANDLOOM FACTORY	182-W	30			2		140	173	33
0029	F-3	CORBETT JOHN	WEAVER	182-W	10			1	200	25	250	225
0030	C-5	COREY T F & S	PATENT MEDICINE	374	600			3		3270	8500	5230
0030	D-1	CORMICK DAVID	WEAVER SHOP	182-W	50			1	150	100	250	150
0030	E-2	COUSINS CHARLES	CABINET SHOP	261	100			1		80	300	220
0030	C-5	COWEN & MCTAVIS	BLACKSMITH FORGE	896	500			4	400	600	2500	1900
0029	B-1	CRAIG & HAMILTO	SASH/DOOR/BLIND	254	2000	STEAM	13	5	2160	3000	5200	2200
0029	C-4	CRAWFORD JAMES	TAILOR ESTABLISH	243	500			2	250	500	800	300
0030	B-3	CRINKLEY A & W B	SAW MILL	251/251-S	4500	STEAM	16	8	1900	2500	5500	3000
0029	C-4	CROWARTHY JOHN WH	PORK PACKING HOU	101-P	1500			4	350	3500	4150	650
0030	F-5	CROWALL JOHN	PUMP SHOP	315-P	200			2	200	100	300	200
0030	G-4	CUMMINGS ANDREW	WEAVING	182-W				2	50	265	400	135
0029	E-2	CUNNINGHAM JAMES	BOOT/SHOEMAKER S	174	80			3	700	1000	4000	3000
0029	B-1	CURRIE JOHN C	TIN/COPPER/IRONW	304-T	400			3	862	900	2962	2062
0030	D-1	CURTIS JOHN JR	SHOE SHOP	174	500			2	230	750	1200	450
0029	C-2	DALTON ROBERT	LIME KILN	358-L	40			2	100	90	600	510
0030	C-1	DALY ROBERT	COOPERAGE	259-C	1000			6	2400	2200	6000	3800

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	F-5	DAVIDSON DONALD	BLACKSMITH SHOP	896	200	STEAM	30	1	3000	150	400	250
0030	E-5	DAVIES BROS	SAW MILL	251	22000	STEAM		10	845	8000	18000	10000
0029	E-1	DAVIS J & W R	NEWSPAPERS/PRINT	289	3000			6	750	1700	5000	3300
0029	E-1	DAVIS BROS	PRINTING OFFICE	289	1100			3	600	400	2000	1195
0029	A-1	DAWSON NEIL	BLACKSMITH SHOP	896	500			2	900	1500	3000	1500
0029	B-2	DAY LEWIS	BOOT/SOEMAKER	174	2000			3				
0029	B-4	DEEDS GEORGE	COBBLER/REPAIRS	174	50			1	250	700	1200	500
0029	B-2	DELEMATER HANNA	WEAVER	182-W	2300			3	460	1914	2650	736
0029	F-4	DEMPSEY HUGH	CHEESE FACTORY	104	400			1	300	1500	2625	1125
0030	H	DENYES NELSON G ?	BAKERY	107	50			1	400	200	800	600
0030	D-3	DEPEL HENRY	WAGON SHOP	329	200			1	100	100	200	190
0030	F-3	DEPISH GEORGE	HARNES/SADDLE S	179-S	400			2	100	280	500	220
0030	B-2	DILL CHRISTOPHER	BLACKSMITH FORGE	896	800			2	400	420	12000	11580
0030	F-5	DOBSON JOSEPH	POT ASHERY	378-P	100			1	150	30	200	170
0030	C-3	DONALDSON RALPH	TAILOR SHOP	242	1000			5	500	3386	4387	1001
0030	E-2	DOUGLAS ARTHUR	BLACKSMITH SHOP	896	200			5	1000	100	1500	1400
0030	D-1	DOW JOHN M	CHEESE FACTORY	104	150			1	300	1000	1600	600
0030	D-3	DRYHOY JOHN ?	PLANING FACTORY	251				1	3	5	30	25
0029	B-2	DUNBAR JAMES	TAILOR	242				2	600	850	2500	300
0030	G-4	DUNGY WILLIAM	PUMPMAKER	315-P	600			2	800	2500	12000	1650
0030	D-3	DUNLOP ROBERT	WEAVER SHOP	182-W	2500			2	996	900	4320	3420
0030	C-5	DUNN PETER	WAGONS/BLACKSMIT	329/311	1500			3	250	2000	3000	1000
0029	F-4	DUNSMORE SAMUEL	CARRIAGES/BLACKS	329/896	10000	STEAM	13	15	3345	9000	18000	9000
0030	C-1	DUPERS CHARLES	WAGON SP/BLACKSM	329/896	2000			2	100	400	1000	600
0030	C-3	DUTTON JOHN	CHEMIST/DRUGGIST	374	2000			2	3080	6500	11580	5080
0029	B-1	DUTTON & MYERS	CARDING/CLOTH MF	189-W/182	600			12	1246	5100	7000	1900
0030	G-4	DYKMAN DANIEL W	CARPENTER SHOP	421-C	300			2	400	1872	2400	528
0030	C-5	EASSON WILLIAM	SAW/PLANING MILL	251	400	STEAM	25	26	5000	800	500	350
0029	B-2	EATON JAMES &	CLOTHING/MILLINE	242/249-M	6000			2		1800	25000	23200
0029	B-3	EATON ROBERT	HOOPSKIRT FACTOR	244	350			3	350	600	1000	400
0029	F-1	EGGLETON JOHN	BAKER/CONFECTION	107/108-C	500			1	200	400	1000	1200
0030	D-1	EILER JOHN	TINSMITH SHOP	304-T	100			2	200	200	400	200
0030	C-1	ELDER GEORGE	STAVE FACTORY	251	400	STEAM	25	6	600	100	173	66
0030	C-2	ELDRIDGE JOHN	BAKERY/CONFECTION	107	30			1	75	500	1000	500
0029	B-2	ELLIOT JAMES	STONE QUARRY	353	400			1	400	60	300	300
0030	F-5	ELLIOTT JOHN	BLACKSMITH SHOP	896	500			3	250	75	1800	1725
0030	G-1	ELLIS ELIJAH	SHOEMAKER SHOP	174	100			1	600	100	1650	1550
0030	F-5	ELLSWICH GEORGE	STONEMASON	421-S	400			1	107	100	173	66
0030	G-2	ENINGER FREDRICK	SHOE MAKING SHOP	174	400			1	300	300	600	300
0030	F-3	ERASCH GEORGE	SHOE/BOOT SHOP	174	400	HORSE	1	6	250	75	1800	1725
0030	A-1	ETTY WILLIAM	BRICK YARD	351-B	30			1	600	100	1650	1550
0030	G-3	EYES SARAH	HANDLOOM FACTORY	182-W	300			1	107	100	173	66
0030	F-5	FAIRBORN GEORGE	SHOEMAKER SHOP	174	200			1	75	500	1000	500
0030	F-5	FAIRBORN THOMAS	SHOE SHOP	174	200			1	400	60	500	200
0029	B-4	FALCONER ALEXAND	CARPENTER SHOP	254	200			2	400	60	300	440
0030	E-2	FARROW FREDERICK	SHOE SHOP	174	100			1			300	300
0029	E-2	FLAGG & BURRITT	SAW/SHINGLE MILL	251/251-S	2000	STEAM	18	8	1100	3200	6000	2800
0029	C-1	FLAHERTY MICHAEL	PRINTING OFFICE	289	1100			3	750	400	2000	1600
0029	E-2	FORRESTER ANDREW	FLAX MANUFACTORY	189-F	7000	STEAM	16	24	2600	7000	10000	3000
0030	E-4	FORTUNE WILLIAM	HANDLOOM	182-W	20			1		250	500	250
0030	E-5	FOSTER WILLIAM	CABINETRY/JOINER	259	400			2	800	150	1000	850

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUMPROC	VADD
0030	A-4	FOX T L	PLANING MILL	251	1750	STEAM	16	6	1000	8500	11500	3000
0030	A-4	FOX T L	SHINGLE FACTORY	251-S	1750	STEAM	16	6	1000	1500	5000	3500
0030	C-5	FRASER JOHN	TAILOR SHOP	243	200			5	500	2000	3500	1500
0030	C-5	FRASER JOHN M	MILLINERY/DRESSM	249-M/244	500			3	300	300	1000	700
0030	F-5	FRASER GORDON	SADDLE/HARNES S	179-S	600			1		750	1300	550
0029	G-1	FRYFAGEL SEBASTIA	CHEESE FACTORY	104	800			1	80	5000	6000	1000
0029	F-3	FULCHER JOSEPH	COOPERAGE	259-C	100			2	1100	200	1200	1000
0029	B-4	FURNESS MRS	TAILOR	243				2			60	
0030	D-4	GABEL JOHN	GRIST MILL	105	8000	WATER	30	2	500	15000	21000	6000
0030	D-4	GABEL JOHN	SAW MILL	251		WATER	30	1	156	500	800	300
0030	F-5	GALLOP CORNELIUS	BLACKSMITH SHOP	896	200			1		200	400	200
0030	H	GALLOWAY & CO	COOPER SHOP	259-C	600			7	400	465		
0030	F-4	GAMBLE JAMES	SAW/GRIST MILL	251/105	4000	STEAM	20	6	1200	13500	17500	4000
0029	C-4	GARDNER ROBERT	CHEESE FACTORY	104	900			2	240	5400	6000	600
0029	B-3	GARNER WILLIAM	SAW MILL	251	5000	STEAM	20	14	4000	1000	6975	5975
0029	F-5	GASTON ALEX	BLACKSMITH FORGE	896	100			1	400	100	600	500
0029	G-1	GELTZ FRANZ	SHOEMAKER SHOP	174	500			3	600	2500	4000	1500
0029	B-1	GEMMELL CHRISTINA	MILLINER/DRESSMA	249-M/244	100			2	200	200	460	260
0030	B-1	GEOTTLER ANTHONY	GRIST MILL	105	8000	STEAM	40	3	900	13000	15851	2851
0029	F-1	GERLING GEORGE	COOPERAGE	259-C	200			2	200	100	350	250
0029	B-4	GIBB DAVID	BLACKSMITH SHOP	896	300			2	470	250	1000	750
0030	C-1	GIBSON HENRY	CONFECTIONERY	108-C	1200			3	1900	1335	6000	4665
0030	C-5	GIBSON JOHN	BAKERY	107/108-C	600			3	650	8000	11500	3500
0030	C-2	GIBSON WILLIAM	BAKERY/CONFECTIO	107/108-C	2600			1	400	4000	5800	1800
0030	F-2	GIBSON JOHN	PLOUGH/WAGON SHO	311/329	200			1	250	40	600	560
0030	D-4	GILBERT WILLIAM	CARRIAGE FACTORY	329	400			1		40	700	660
0029	F-3	GILLIS JAMES	SHOEMAKER	174	50			1	300	50	400	350
0029	B-2	GILPIN JOHN C	STOVE/TIN STORE	307-S/304-T	3000			10	3000	5000	10000	5000
0029	B-1	GILPIN R T	BOOT/SHOE MF	174	1000			7	1724	5000	3000	3000
0029	B-1	GILPIN WILLIAM	TIN/COPPER/IRON	304-T	200			2	700	1000	2400	1400
0030	C-5	GLENDINNING CRISP	PAINT SHOP	421-D	400			5	800	1150	4000	2850
0029	B-1	GOODBOW/MCGOULDRI	HARNESST/TRUNK FC	179-S/179-T	2000			5	1800	2760	6500	3740
0030	C-5	GORDON BROS	MILLINERY SHOP	249-M/244	1000			4	720	2500	4500	2000
0030	C-2	GORDON JAMES	DRESSMAKER/MILLI	244	500			6	1000	4000	7500	3500
0030	F-5	GORDON JOHN	SHOEMAKER SHOP	174	300			1		300	600	300
0029	D-2	GOURLEY JAMES	CARPENTER SHOP	254/261	50			1	300	10	400	390
0029	F-3	GRADY JOHN	BLACKSMITH	896	450			2	620	60	800	740
0029	B-2	GRAHAM WILLIAM	TAILOR	242	100			2	400	2000	3000	1000
0029	B-4	GRAHAM WILLIAM	POT ASHERY	378-P	480			2	800	900	2800	1900
0030	E-4	GRAY DANIEL	BLACKSMITH SHOP	896	200			2	660	100	900	800
0029	B-2	GREAVES CHRISTI	MILLINER	244/249-M	100			3	200	350	600	250
0030	H	GREEN JAMES	BLACKSMITH SHOP	896	600			2	175			
0029	F-1	GUNBURGER SIMON	SHOEMAKER	174	250			3	1200	800	2000	1200
0030	B-1	HACH JACOB	BLACKSMITH SHOP	896	600			2	600	200	1200	1000
0030	H	HACKING J H	PRINTING OFFICE	289	7000			7	1300	2000	4000	2000
0029	B-4	HAGGERT W & T	FOUNDRY/AGRC IMP	311	8000	STEAM	12	28	9000	6350	31400	25050
0029	D-2	HAINS ?	BLACKSMITH SHOP	896	400			1	400	110	600	490
0030	G-3	HAINSWORTH ALBERT	CARPENTER SHOP	421-C	150			2	200	200	500	300
0029	A-3	HALL EDMOND	CARPENTER FORGE	896	200			1	300	100	400	300
0029	C-4	HAMILTON GEORGE	CHEESE FACTORY	104	1000			4	250	5000	6000	1000
0029	C-4	HAMILTON JAMES	BOOT/SHOEMAKER	174	200			1	80	300	525	225

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0029	D-1	HAMILTON JAMES	WEAVER	182-W	20		.	1	75	20	100	80
0029	D-1	HAMILTON ROBERT	SHOEMAKER	174	150		.	2	50	400	1000	600
0030	C-4	HAMMER JACQUES	BLACKSMITH	896	600		.	2	850	3000	5310	2310
0029	C-3	HAMMOND THOMAS	LIME KILN	358-L	300		.	1	100	20	125	105
0030	G-4	HANNAH JOHN	CARPENTER SHOP	261	.		.	2	30	48	100	52
0030	A-1	HANNON WILLIAM	LIME KILN	358-L	60		.	3	45	41	208	167
0029	D-3	HANSON THOMAS	BRICK FACTORY	351-B	400	HORSE	1	3	300	40	4000	3960
0029	B-2	HARRISON ALEX	SADDLERY	179-S	700		.	1	250	300	900	510
0029	F-5	HARRISON WILLIAM	LIME KILN	358-L	200		.	4	400	75	585	510
0030	H	HARVEY PAUL	TAILOR SHOP	242	100		.	3	450	700	1200	500
0030	A-1	HATTEN JOSEPH	LIME KILN	358-L	60		.	3	30	40	200	160
0030	C-5	HAY DAVID D	CHEESE FACTORY	104	400		.	8	400	900	1000	100
0030	C-5	HAY GEORGE	UNDERTAKING	258	250		.	1	.	200	600	400
0030	H	HAY WILLIAM	WAGON/CARRIAGE	329	3000		.	4	1500	3000	5000	2000
0029	D-1	HAYES CHRISTOPHER	FILE CUTTER	306-S	200	HORSE	1	1	.	150	.	.
0030	B-2	HEALEY JAMES	SHOE SHOP	174	100		.	1	.	50	350	300
0030	H	HEPPLER JACOB	COOPER SHOP	259-C	800	STEAM	15	1	400	150	750	600
0030	H	HERMON & BOLTON	WOOLEN MANUFACTU	182	10000	STEAM	12	17	1800	2400	8000	5600
0029	B-1	HERRINGTON AMOS	CABINET MANUFACT	261	2000		.	4	1500	750	3000	2250
0030	H	HESS & CO	FURNITURE FACTOR	261	6000	STEAM	10	13	2500	3000	10000	7000
0030	D-3	HESSENFLIEW HENRY	BLACKSMITH FORGE	896	100		.	1	360	400	750	350
0030	B-1	HILL BROS	GRIST MILL	105	8000	W/S	22	1	1300	31200	37200	6000
0030	B-1	HILL BROS	STAVE FACTORY	251	500	STEAM	8	9	520	800	1700	900
0030	C-5	HILTON G & H	TANNERY	172	3000	HORSE	1	5	800	2700	4500	1800
0030	C-2	HILTON JOHN	BAKERY/CONFECTION	107	200		.	1	200	1000	1500	500
0029	D-1	HOCH GEORGE	BLACKSMITH FORGE	896	200		.	2	500	150	800	650
0030	D-4	HOFFMANN PETER	BLACKSMITH FORGE	896	400		.	1	400	250	700	450
0029	E-2	HOLLAND F	FLOUR/GRIST MILL	105	20000	WATER	50	6	2000	50000	55000	5000
0030	D-1	HOLLWELL THOMAS	TAILOR SHOP	242	100		.	2	600	1200	1800	600
0030	F-1	HONER CHRISTIAN	BLACKSMITH FORGE	896	150		.	1	200	25	300	275
0030	A-2	HONEY JAMES	BLACKSMITH FORGE	896	100		.	1	300	18	400	382
0030	C-2	HORNE & CLARK	TAILOR/MILLINER	244	3800		.	12	2000	8000	12000	4000
0030	G-1	HOTEL MANUEL	CARPENTER/JOINER	421-C	150		.	2	78	512	1200	688
0029	D-2	HUGIL WILLIAM ?	SHOE SHOP	174	400		.	1	400	500	1000	500
0030	C-4	HUMPHREY JOHN	WAGONS/BLACKSMIT	329/896	1000		.	4	500	2000	3580	1580
0030	E-4	HUMPHREY THOMAS	WAGONMAKER	329	500		.	1	100	200	1000	800
0029	A-1	HUSTON GEORGE	CHEESE FACTORY	104	600		.	1	250	300	620	320
0029	B-2	HUTTON WILLIAM LY	TANNERY	172	3000	STEAM	4	5	1000	6000	8000	2000
0029	B-4	INGERSOLL CHARLES	COOPER SHOP/REPA	259-C	100		.	2	300	70	400	330
0029	B-4	INGERSOLL JUSTUS	TANNERY	172	1000		.	1	350	750	1100	350
0029	F-2	INMAN & THOMPSON	SAW MILL/TURNING	256/259	4000	W/S	28	2	800	1000	1800	800
0029	F-3	IREDALE JOSEPH	FLOUR MILL	105	12300	WATER	30	1	400	7000	8460	1460
0029	E-1	JAMES WILLIAM	SHOEMAKER SHOP	174	100		.	1	400	100	700	600
0029	B-1	JARDINE JAMES & S	AG IMPLS/BLACKSM	311/896	200		.	1	400	600	1400	800
0030	C-5	JOHNSON ABRAHAM	CABINETS/UPHOLST	261	3000		.	10	4000	4000	10000	6000
0029	B-2	JOHNSTON THOMAS	MILLINERY/DRESSM	244	400		.	3	300	1000	1600	600
0030	E-4	JOLLY JAMES	SHINGLEMAKER	251-S	5		.	1	.	55	.	.
0030	G-4	JONES JOSEPH	WEAVING	182-W	.		.	2	96	400	660	260
0030	A-2	JONES ROBERT	SAW MILL	251	5000	STEAM	40	6	1092	2500	6000	3500
0029	G-2	KALBFLEISH & SCHA	SASH FACTORY	254	2000	STEAM	20	5	600	100	400	300
0030	C-2	KAPPLEBERGER HENR	HARNESMAKER/REP	179-S	200		.	1	.	500	1000	500

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	B-3	KASTNER & LITT	SAW MILL	251	5000	STEAM	18	6	1560	3200	8000	4800
0030	B-3	KASTNER JOHN	SAW MILL	251	2500	STEAM	18	6	1000	800	2000	1200
0030	B-1	KASTNER PETER	BREWERY	109-B	10000	STEAM	25	5	3560	3800	9120	5320
0030	B-1	KASTNER PETER	DISTILLERY	109-D	8000	STEAM	25	4	780	2112	3178	1066
0030	G-3	KAUFMAN ADAM	BLACKSMITH SHOP	896	50			1		50	200	150
0029	E-2	KEELER ROBERT	BOOT/SHOE FACTOR	174	1500			3	1200	2000	4900	2900
0030	H	KEELER RUBAND	BOOT/SHOE STORE	174	2000			1	400	1400	1800	400
0029	E-1	KEISEG ERNEST ?	BOOT/SHOE FACTOR	174	1000			3	650	1500	3640	2140
0029	B-4	KERR SIMON R	CARPENTER/UNDERT	254/258	200			2	500	250	800	550
0029	D-3	KERR WILLIAM	TANNERY	172	1500	HORSE	1	3	1000	3200	6000	2800
0029	C-2	KIDD JOSEPH	SAW MILL	251	3000	STEAM	22	8	1500	16000	20000	4000
0030	F-3	KIRKLAND ALEX	BOOT/SHOE SHOP	174	200			2	400	400	1000	600
0030	D-4	KLEBE GEORGE	BLACKSMITH FORGE	329	800			2	100	130	1370	1240
0030	C-2	KNEITL JOSEPH ?	BOOT/SHOE MF	174	3500			4	1000	3000	6000	3000
0030	G-4	KNOWLES THOMAS	CARPENTER SHOP	254				2	78	36	300	264
0029	F-1	KOCK ROBERT	HARNESSMAKER	179-S	1200			2	444	1000	2300	1300
0030	D-3	KOLLMAN JACOB	SAW MILL	251	2800	STEAM	18	5	900	1600	3200	1600
0030	B-2	KOLSCHMIDT FREDER	CARPENTER SHOP	259	200			2	150	40	500	460
0029	B-4	KUNZ JACOB	CABINET/REPAIR S	261	200			1	400	60	500	440
0030	G-3	KURTZ JOHN	FRAMER ESTABLISH	421-C	130			2	48	68	184	116
0029	B-2	LACHTE HENRY	TRUNKMAKER	179-T	400			3	900	1800	4000	2200
0029	B-2	LAIDLAW JOHN	STONECUTTER	353				1	300	100	400	300
0030	E-2	LARGE JOHN	CARPENTER SHOP	421-C	250			1	100	150		
0029	C-3	LATTA JOHN	BLACKSMITH FORGE	896	200			1	250	25	300	275
0029	B-2	LAUGHTON MALCOLM	MERCHANT TAILOR	242	300			2	400	600	1900	1300
0030	C-1	LAWSON THOMAS	BOOT/SHOE FACTOR	174	3000			7	1872	1200	6000	4800
0030	C-3	LEAN RODERIC	AGRC MACHINE MF	311	4000	STEAM	3	5	1400	2800	5600	2800
0030	C-1	LEE CHARLES	TAILOR	243	1000			2	500	700	1500	800
0030	H	LEE JAMES	HARNESS SHOP	179-S	150			1	225			
0029	D-2	LEMONS GEORGE	BRICK KILN	351-B	130	HORSE	1	5	500	137	1000	863
0029	B-2	LESLIE JAMES	LIME KILN/STONE	358-L/353	500			6	1200	800	3500	2700
0030	G-4	LESLIE JOSEPH	SHOE SHOP	174				1	200	390	700	310
0030	G-4	LESLIE SAMUEL	WEAVING	182-W				1	100	285	450	165
0030	E-4	LEWON HENRY ?	SHINGLEMAKER	251-S	10			1		155	600	445
0030	H	LITTLE W & L	CARRIAGE/WAGONMA	329	1000			6	900	1500	2700	1200
0030	H	LIVINGSTONE J J & FLAX	SCUTCHING M	189-F	10000	STEAM	20	25	6000	11000		
0030	H	LOCKIE & TURNBUL	FOUNDRY/MACHINE	311	7500	STEAM	8	11	1000	1000	4700	3700
0030	B-1	LONEY THOMAS	BRICK YARD	351-B	1000	HORSE	2	6	1000	150	1800	1650
0029	F-1	LONGENBACK	SADDLER	179-S	1500			2	600	12	2200	2188
0030	G-2	LOUGHEED SAMUEL	SHOEMAKER	174				1	200	300	650	350
0029	E-1	LOVE AMOS	BAKERY	107	150			1	300	780	1200	420
0030	E-3	LOWRIE JAMES	BLACKSMITH SHOP	896	100			1	360	150	450	300
0030	C-1	LYNN & GOODWIN	CARRIAGE FACTORY	329	3000			6	1500	2050	5194	3144
0030	C-2	MACDONALD JAMES	MILLINERY/DRESSM	244	800			4	600	1500	2500	1000
0029	G-2	MALCOLM GEORGE	GRIST MILL	105	8000	STEAM	40	3	900		96250	
0029	B-1	MARLATT & MURRAY	CARPENTER/BUILD	254	400			1	300	600	1525	925
0030	C-2	MARSHALL & FULLER	FLAX SCUTCHING M	189-F	8000	STEAM	25	50	7000		20200	
0030	F-5	MARTIN JOHN	WAGONS/CARRIAGES	329	1000	STEAM	6	1		200	1200	1000
0030	E-4	MARTIN THOMAS	HANDLOOM	182-W	20			1		90	350	260
0030	H	MAYNARD GEORGE	MILLINER SHOP	249-M	700			6	864	400	3000	2600
0030	C-1	MCAVOY & BOX	CABINET FACTORY	261	2300			6	1060	4800	7040	2240

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	B-2	MCCALLUM BERTHA	DRESSMAKER	244	600			3	600	1000	2000	1000
0030	G-4	MCCAUGHEN DANIEL	SAW MILL	251	2000	STEAM	20	4	400	500	1500	1000
0029	B-2	MCCORMACK JAMES	CARRIAGE SHOP	329	250			1	300	200	800	600
0030	C-5	MCCRACKEN FRANCIS	ASHERY	378-P/376	1000			3	1000	500	3600	3100
0030	G-4	MCDERMOT JOHN	SAW MILL	251	2000	WATER	30	4	300	4000	8000	4000
0030	C-2	MCDONALD D B	CARPENTER/BUILD	421-C	1800			8	3000	6000	10000	4000
0029	B-1	MCDONALD JOHN	ASHERY	378-P	75			2	450	300	1300	1000
0030	G-3	MCDONALD JAMES	MASON/PLASTERER	421-S	100			2	300	590	1770	1180
0030	G-2	MCILROY ROBERT	BRICK YARD	351-B		HORSE	1	3	50	5	100	95
0030	H	MCILWRAITH STEWAR	TANNERY	172	600	HORSE	1	1	410	1000	1800	800
0029	B-2	MCINTOSH WILLIAM	CLOTHING/MILLINE	242/249-M	1000			11	3200	7000	10500	3500
0029	E-2	MCINTYRE DONALD	BOOT/SHOE FACTOR	174	600			4	1200	4000	6000	2000
0029	B-1	MCINTYRE GEORGE	BOOT/SHOE MF	174	1000			7	2000	2000	6000	4000
0029	B-1	MCINTYRE JAMES	TAILOR	243	40			1	120	75	280	205
0030	H	MCKAY ALEXAND	TAILOR SHOP	242	200			1		200	250	50
0030	G-1	MCKAY ALEXANDER	CARPENTER/JOINER	421-C				1		122	275	153
0029	A-4	MCKAY JOHN	GRIST MILL	105	5000	WATER	35	3	600	2000	3500	1500
0029	F-2	MCKELLER JOHN	BLACKSMITH SHOP	896	200			1	280	180	500	320
0030	H	MCKENZIE ALEXAND	TAILOR SHOP	242	100			1	100	248	780	532
0030	H	MCKINNEY WILLIAM	SHOEMAKER SHOP	174	1500			4	400	4000	6000	2000
0030	F-5	MCLACHLAN JOHN C	FOUNDRY	311	2000	STEAM	10	5	500	1272	3000	1728
0030	D-1	MCLARKY ROBERT	CHEESE FACTORY	104	1000			2	125	1080	1440	360
0029	B-2	MCLARTY DONALD	CARRIAGES/BLACKS	329	500			4	600	1200	2000	800
0030	G-1	MCLEAN JAMES	BLACKSMITH SHOP	311/896	150			1		43	135	92
0029	B-2	MCLEAN JOHN	CHEMIST/DRUGGIST	374	1000			1	400	2000	3000	1000
0030	C-2	MCLEOD JOHN	BOOT/SHOE MF	174	500			6	2000	1500	4000	2500
0030	G-4	MCMAHON ALEXANDER	WEAVING	182-W				1	40	135	225	90
0029	E-2	MCMAHUS & POTTS	POTASH FACTORY	378-P	500			5	720	1620	3360	1740
0029	E-3	MCMPHERSON JAMES	PAINT GILDER	266	90			1	280	37	600	563
0029	A-5	MCQUILLEN SAMUEL	CLOTH FACTORY	182-W	75			2	400	240	800	560
0030	D-2	MEISNER CHRISTOPH	BLACKSMITH FORGE	896	150			2	400	60	1500	1440
0030	B-1	MENNIG F L ?	VINEGAR FACTORY	103	3000			2	750	1500	3000	1500
0030	F-3	MERRLINGER D	BLACKSMITH SHOP	896	330			1	70	200	1000	800
0030	C-2	MEYERS ROBERT	BOOT/SHOE MF	174	1000			9	2564	5000	12000	7000
0030	F-3	MICKLE & PACEMORE	SAW MILL	251/251-S	18000	STEAM	40	8	2600	4200	7000	2800
0029	B-1	MILLER D	WAGONS/REPAIRS	329/311	1000			8	1200	1200	4500	3300
0030	F-3	MILLER HENRY	WAGON/CARRIAGE S	329	1000			1	100	600	1500	900
0030	B-2	MILLER SAMUEL	SAW MILL	251	4000	STEAM		5	746	2800	4900	2100
0030	C-3	MILNE JOHN	SHOEMAKER SHOP	174	200			3	700	700	2200	1500
0030	H	MINNA WILLIAM ?	TAILOR SHOP	242	100			3	100	800	3000	2200
0030	D-1	MINCHIN GEORGE	WAGONS/BLACKSMIT	329/896	1500			6	1300	1160	3500	2340
0030	H	MITCHELL JAMES	CRADLE MAKING SH	306	100			1				
0029	B-3	MITCHELL SAMUEL	BEEHIVE FACTORY	259	600			2	212	148	390	242
0030	E-4	MITCHELL WILLIAM	SAW MILL	251	2500	STEAM	18	8	200	652	1325	673
0029	B-2	MOORE JOHN & SO	FLOUR MILL	105	8000	STEAM	40	16	4000	15500	25000	9500
0029	B-2	MOORE JOHN & SO	IRON FOUNDRY	311	4000	STEAM	40	8	2000	7500	13000	5500
0030	G-3	MOORE ANDREW	HANDLOOM FACTORY	182-W	30			2		133	198	65
0030	G-4	MORGAN ROBERT H	BLACKSMITH SHOP	896				1	250	80	600	520
0030	B-1	MORITZ FREDERICK	SHOE SHOP	174	2000			3	900	1200	2500	1300
0029	G-2	MORLOCK & NILKER	CHEESE FACTORY	104	2000			4	400	1644	3290	1646
0030	E-4	MORRISON JOHN	BLACKSMITH SHOP	896	300			2	45	200	800	600

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	A-3	MORRISON WILLIAM	SAW MILL	251	800	STEAM	16	3	450	805	2214	1409
0030	H	MORTIMER GEORGE	TINSMITH SHOP	304-T	2000		.	4	1953	1150	4000	2850
0030	D-4	MOUETOX PETER	BLACKSMITH FORGE	896	100		.	1	150	150	300	150
0029	G-1	MOUESCHER GEORGE	WEAVER SHOP	182-W	50		.	1	400	800	1500	700
0029	E-3	MULHERON A & J	FOUNDRY/AGRC WOR	307-S/311	4500	STEAM	10	6	1000	1500	4000	2500
0029	E-2	MULHERON A THOMAS	TINSMITH SHOP	304-T	300		.	2	650	2000	3000	1000
0030	B-2	MULHOLLAND/ANDERS	OATMEAL MILL	105-O	200	WATER	15	3	100	375	500	125
0029	B-2	MURPHY JOHN	BOOT/SHOE SHOP	174	2000		.	5	1200	2500	4620	2120
0029	B-1	MURRY MATTHEW	TAILOR	243	200		.	1	400	250	800	550
0030	C-5	MYERS ROBERT	BRICK YARD	351-B	300	HORSE	1	9	1200	100	2100	2000
0030	C-1	NEEDHAM W	COOPER SHOP	259-C	600		.	3	1200	1000	2500	1500
0029	A-2	NELSON WILLIAM	BLACKSMITH FORGE	896	75		.	1	400	50	250	200
0030	F-5	NICKLIN JOHN	GRIST MILL	105	2000	W/S	28	2	460	25000	28000	3000
0030	C-5	NICOL DAVID	CARPENTER SHOP	421-C	800		.	4	1500	3100	5500	2400
0029	B-4	NORRIS WILLIAM	HANDLOOM WEAVER	182-W	50		.	1	100	40	110	70
0029	D-2	O'HODGE WILLIAM	BRICK KILN	351-B	200		.	6	494	70	570	500
0030	E-2	OLIVER ROBERT	TANNERY	172	900		.	3	100	900	1500	600
0030	D-3	OMEN BENJAMIN	SHOE MAKING SHOP	174	50		.	1	.	150	300	150
0029	F-4	ORE THOMAS	CONTRACTOR	421-C	1200		.	10	1500	12000	15000	3000
0030	G-3	ORTH PHILIP H	PUMP MANUFACTORY	315-P	60		.	1	12	14	168	154
0030	D-4	ORTWEIN BALTHASAR	WEAVER SHOP	182-W	45		.	2	336	600	800	200
0030	C-3	OSBERT JOHN JAMES	TIN/STOVE SHOP	307-S/304-T	1100		.	2	.	4000	10000	6000
0030	C-2	OSBORNE & WERRELL	PUMP FACTORY	315-P	150		.	2	.	60	300	240
0029	A-4	PADFIELD ALFRED	WAGONS/BLACKSMIT	329/896	500		.	4	600	660	2000	1340
0030	C-2	PAECKERT EDWARD	GUNSMITH/LOCKSMI	309/309-S	2000		.	1	500	100	2000	1900
0029	A-4	PARK JAMES	WEAVER	182-W	100		.	1	300	160	500	340
0029	B-4	PARKER MRS MARGAR	TAILOR	243	.		.	1	.	50	.	.
0030	E-3	PELTON L & W	PUMP FACTORY	315-P	300	HORSE	1	2	600	111	1200	1089
0030	C-5	PENGELLY RICHARD	PAINT SHOP	421-D	50		.	2	40	120	800	680
0030	B-1	PINDAR WILLIAM	LIME KILN	358-L	50		.	2	50	12	144	132
0029	G-4	PINDER JOHN	GRIST/FLOUR MILL	105	3000	W/S	35	2	600	6000	6600	600
0030	A-3	POWER JOHN	WAGONMAKER	329	152		.	1	120	45	750	705
0029	G-3	RATZ GEORGE	SAW MILL	251	1500	STEAM	15	6	1400	2500	5000	2500
0030	D-4	RATZ GEORGE	BLACKSMITH FORGE	329	250		.	1	300	100	400	300
0030	B-1	RATZ HENRY	SAW/PLANING MILL	251/251-S	6000	STEAM	35	10	2350	3600	9000	5400
0030	C-2	REDFORD JAMES	GRAIN/OATMEAL MI	105/105-O	.	STEAM	20	3	.	8000	9275	1275
0030	C-3	RICE GEORGE	SADDLE/HARNESS M	179-S	400		.	2	220	750	1700	950
0029	D-2	RICE GEORGE	HARNESS SHOP	179-S	100		.	1	400	510	963	453
0029	D-1	RICHLER NICHOLAS	HARNESSMAKER	179-S	50		.	1	250	150	400	250
0029	D-2	RIGGS ANTHONY	CARPENTER/JOINER	254/261	800		.	4	1000	100	1500	1400
0030	C-5	RIGGS BENJAMIN	SOAP FACTORY	376	4000		.	1	450	8500	10000	1500
0030	C-1	RIGGS ISAAC	SAW MILL/BUILDIN	251	3000	STEAM	16	8	2800	3000	7500	4500
0029	A-1	ROADHOUSE BENJAMIN	CARRIAGES/BLACKS	329/896	2000		.	4	600	1400	2000	600
0030	C-1	ROBB JOHN	PRINTING OFFICE	289	8000		.	8	1500	2000	4500	2500
0030	C-2	ROBERTS WILLIAM	BRICK YARD	351-B	1000	HORSE	2	7	2000	500	3000	2500
0029	B-1	ROBERTSON ALEX	FLAX MILL	189-F	10000	STEAM	16	48	7000	15600	30367	14767
0030	F-4	ROBINSON WILLIAM	BLACKSMITH SHOP	896	600		.	1	600	180	700	520
0030	A-3	ROCK GEORGE	SAW MILL	251	5000	STEAM	35	5	800	2000	3040	1040
0029	D-2	ROWLAND GEORGE	BLACKSMITH/WAGON	329/896	600		.	2	500	345	1200	855
0030	E-3	ROZZELL JOSEPH H	CARPENTER SHOP	254	500		.	2	300	100	600	500
0030	E-3	ROZZELL NATHANIEL	TAILOR SHOP	242	20		.	1	.	60	150	90

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CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	E-1	RUIN	JULIA	249-M	100		.	7	.	.	.	.
0030	A-1	RUNNENBURG & CO	MILLINER SHOP	261	300		.	2	400	100	600	500
0029	E-1	RUSSELL WILLIAM	CARPENTER SHOP	242	40		.	1	300	500	400	-100
0030	B-2	SCHALPH MICHAEL	TAILOR SHOP	251	500	WATER	5	3	100	750	1200	450
0030	E-5	SCHERINER PAUL	SAW MILL	174	300		.	2	300	150	1000	850
0030	G-3	SCHIENBIEN NICHOL	BOOT/SHOE EST	251	15		.	3	300	20	100	80
0030	H	SCHLIM HENRY	HOOP FACTORY	179-S	200		.	2	100	100	400	300
0030	H	SCHNEIDER WILLIAM	HARNESS SHOP	304-T	1000		.	1	200	400	700	300
0030	C-3	SCHOLTZ JOHN F	TIN SHOP	179-W/172	2000		.	12	1700	9000	11000	2000
0029	G-2	SCHRAY JOSEPH	WHIP/LEATHER MF	294	4500	STEAM	20	9	3500	630	.	.
0030	C-4	SCRIMGEOUR BROS ?	FOUNDRY	254	10000	STEAM	30	22	7800	30000	45000	15000
0029	E-2	SEDGWICK WILLIAM	SASH/DOOR/PLANIN	421-D	400		.	3	1000	1500	3500	2000
0029	G-1	SEIBERT OTTO	PAINTER/DECORATO	896	100		.	1	400	130	600	470
0030	C-3	SHARMAN JOSEPH	BLACKSMITH SHOP	896	5000	STEAM	12	23	7000	3000	15000	12000
0029	A-2	SHIER JONATHAN	AGRC IMPL/FOUNDR	351-B	400	HORSE	2	7	1200	90	2400	2310
0030	G-4	SIDES JOHN	BRICK MANUFACTOR	174	200		.	1	120	75	250	175
0030	A-1	STEBERT FRANCIS	SHOE SHOP	251	1000	STEAM	14	5	200	1500	2400	900
0029	E-3	STILLS G & TAIT J	SAW MILL	251	3500	STEAM	15	3	800	10000	15000	5000
0030	A-3	STILLS G H & J	CARDING/WOOLEN F	189-W/182	4000	STEAM	25	10	2750	7000	11040	4040
0030	C-1	SIMEON JAMES	SAW MILL	251	200		.	1	1400	500	1130	630
0029	B-2	SIMPSON GEORGE	SADDLERY/HARNESS	179-S	6000	WATER	50	4	4500	45000	57000	12000
0029	D-1	SIMPSON WILLIAM	FLOUR MILL	105	500		.	2	450	300	700	400
0030	D-1	SINCLAIR JAMES	BLACKSMITH FORGE	896	300		.	3	300	240	1000	760
0030	C-3	SMITH ALEXAND	CARPENTER/JOINER	259	3000	STEAM	12	5	1300	3750	5250	1500
0029	B-1	SMITH G B	TANNERY	172	2000		.	26	4200	9237	17687	8450
0029	E-2	SMITH JAMES	TAILOR/MILLINERY	243/249-M	250		.	4	1200	1500	5000	3500
0029	E-2	SMITH JAMES	COOPERAGE	259-C	1200		.	13	456	1000	2000	1000
0029	B-2	SMITH MARTIN	STAVE FACTORY	251	2250	HORSE	1	2	660	2200	3500	1300
0029	E-2	SMITH THOMAS	TANNERY	172	170		.	2	300	200	700	500
0029	B-2	SMITH & GREIG	COOPER SHOP	259-C	1500		.	2	700	2100	4160	2060
0030	G-2	SMITH HENRY	BREWERY	109-B	10		.	2	100	60	270	210
0030	G-1	SMITH J & G	LIME KILN	358-L	10	HORSE	2	3	150	160	55	.
0030	G-4	SMITH K J	BRICK YARD	351-B	400		.	2	150	320	400	240
0030	E-2	SMITH ROBERT	CARPENTER SHOP	421-C	20		.	1	.	320	1000	680
0030	G-1	SMITH WILLIAM	BLACKSMITH SHOP	896	1200	HORSE	1	2	550	800	2800	2000
0029	F-1	SMITT ERNEST	BRICK YARD	351-B	400		.	2	200	80	330	250
0029	A-5	ST JOHN ADAM	TINSMITH	304-T	400		.	4	600	900	3000	2100
0029	B-1	STAFFORD JOSEPH	CHEESE FACTORY	104	500		.	3	600	750	1200	450
0030	D-3	STEEL R H	HARNESS MANUFACT	179-S	100		.	2	1440	700	4800	4100
0030	H	STEINBERG HENRY	WEAVER SHOP	182-W	600		.	3	300	3840	.	.
0029	G-2	STEMMAN & GERHARD	BREWERY	109-B	6000	STEAM	20	5	850	1000	2100	1100
0029	E-2	STEWART ANGUS	WOOLEN MILL	182	200		.	2	1600	4000	10000	6000
0030	E-5	STEWART & WILSON	CARPENTER/JOINER	254	12000	STEAM	25	12	100	1400	3600	2200
0030	D-1	STEWART DUNCAN	SAW MILL	251	3500	STEAM	16	3	225	170	225	55
0030	G-1	STEWART EDWARD	SAW MILL	251	40		.	2	.	400	650	250
0030	F-5	STEWART WILLIAM	WEAVING/CLOTH MA	182-W	1000		.	1	400	1000	1800	800
0029	B-2	STODDART ARCHIBAL	CHEMIST/DRUGGIST	374	200		.	2	600	500	1200	700
0030	C-3	STONE GEORGE	BOOKBINDER SHOP	287-B	150		.	1	1200	120	600	480
0029	E-2	STONEMAN JOHN	JOINER SHOP	254	2000		.	3	1200	2400	3000	600
0030	C-2	STONEY THOMAS	SADDLERY/HARNESS	179-S	700		.	1	30	500	700	200
0030	F-3	STRONG JAMES	TANNERY	172	200		.	1	30	500	700	200

PERTH COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	E-4	STRUTHERS JOHN	HANDLOOM	182-W	20			1		52	125	73
0030	D-4	STUART PETER	CHEESE FACTORY	104	600			5	300	1304	1760	456
0030	D-4	STUTH GEORGE	SHOEMAKER	174	100			1		136	350	214
0029	E-2	STYLES & MCMONNI	CARRIAGE WORKS	329	8800	STEAM	8	17	5045	3000	12665	9665
0030	C-3	SUGDEN & SONS	WOOLEN MILLS	182	9000	STEAM	18	13	2750	7000	14000	7000
0030	F-1	TANK FRANK	SHOEMAKER SHOP	174	500			3	120	100	500	400
0030	F-5	TANNER WILLIAM	CARDING/FULLING	189-W	2000	STEAM	4	3	300	1500	500	-1000
0029	A-3	TAYLOR JOSEPH	BLACKSMITH FORCE	896	100			1	312	100	300	200
0029	A-3	TAYLOR JOSEPH	WAGON SHOP	329	130			1	312	150	600	450
0030	C-1	TEUSCHER JACOB	PRINTING OFFICE	289	6000			6	1200	1500	3500	2000
0030	E-3	THOMAS CHARLES	SHOEMAKER SHOP	174	200			1	150	250	400	150
0030	F-1	THOMAS HENRY	WAGONMAKER	329	180			1	200	50	300	250
0029	E-1	THOMPSON & WILLIA	AGRC WORKS/ENGIN	315-E/315	25000	STEAM	30	106	40000	50000	150000	100000
0030	E-2	THOMPSON MATHEW	WAGON SHOP	329	200			1		150	450	300
0029	F-5	THOMPSON ROLAND	BLACKSMITH FORCE	896	300			1	400	150	660	510
0030	D-1	THOMPSON WILLIAM	WEAVER SHOP	182-W	80			1	175	225	450	225
0029	E-3	THOMSON WALTER	OATMEAL MILL	105-O	3500	STEAM	15	6	1200	35000	37000	2000
0030	H	TOWNER & CAMPBELL	SOLE LEATHER TAN	172	12000	STEAM	20	10	3000	28000	45000	17000
0030	H	TREMAN JOHN	BAKER SHOP	107	100			1	192			
0029	B-2	VANZANT & CURRIE	PUMP MILL/RAKE F	315-P/311	300			1	400	500	2000	1500
0030	C-5	VENTON WILLIAM L	HARNESS SHOP	179-S	400			2	600	1000	2000	1000
0030	H	WADE JOHNSON	ASHERY	378-P	200			1				
0030	H	WALKER THOMAS	PHOTOGRAPHER	893	200			1				
0030	F-3	WALKER WILLIAM	BLACKSMITH SHOP	896	1000			3	300	700	2000	1300
0029	E-1	WALKINSHAW JAMES	TAILOR SHOP	243	200			3	600	1000	1900	900
0029	A-3	WALLACE JAMES	BLACKSMITH FORCE	896	100			1	100	100	200	100
0030	C-5	WALTERS HENRY	BLACKSMITH FORCE	896	50			1		340	700	360
0030	G-4	WARREN JOSEPH	WHIP MAKING	179-W/175				1	40	15	42	27
0030	G-3	WEBER ISAAC WINGE	BLACKSMITH FORCE	896	60			1		15	60	45
0030	G-3	WENZELL DAVID	HANDLOOM FACTORY	182-W	20			2		70	83	13
0030	D-2	WHETLAUFER CONRAD	SHOEMAKER SHOP	174	100			3	200	500	1500	1000
0030	E-3	WHIFFIELD/MCCORMA	GRIST/SAW MILL	105/251	2000	STEAM	20	4	800	3050	4450	1400
0030	H	WHITE GEORGE	MATCH MAKING	379-M	200	HORSE	1	1			300	
0029	A-4	WHITEHEAD E S	GRIST/OAT MILL	105/105-O	7000	WATER		2	550	25000	29710	4710
0030	C-1	WHITSON JAMES	WATCHMAKER/JEWEL	392	1000			4	1040	3000	5000	2000
0029	B-2	WHITTAKER SAMUEL	STONE/MARBLE CUT	353	300			1	400	300	800	500
0030	C-5	WHITTAKER SAMUEL	TIN SHOP	304-T	3000			3	1000	3400	7000	3600
0030	D-4	WIGAND LORENZ	SHOEMAKER SHOP	174	200			1		300	600	300
0030	D-1	WILCOX JAMES	SHINGLE FACTORY	251-S	1000	STEAM	12	12	400	650	2200	1550
0029	E-1	WILLIAMS JABEZ R	HARNESSMAKER EST	179-S	500			4	1000	2500	4000	1500
0029	B-2	WILLIAMS MARY	MANTLEMAKER	244	400			2	400	1200	2000	800
0030	C-2	WILLIAMSON & FOST	MILLINER/TAILOR	249-M/244	10000			37	11000	30000	65000	35000
0029	E-1	WILLIS H S	TAILOR SHOP	243	130			1	300	100	500	400
0030	E-4	WILSON J	SAW MILL	251	3000	STEAM	20	10	2500	2000	5000	3000
0030	A-1	WILSON JAMES	TANNERY	172	1500	STEAM	12	3	500	3475	5850	2375
0030	G-3	WILSON ROBERT	HANDLOOM FACTORY	182-W	50			2	2500	4000	8500	4500
0030	E-5	WINSTANLEY E	SAW MILL	251	40			1	100	300	600	300
0030	E-3	WITHERALL ELIZABE	TAILOR SHOP	174	100			2	150	300	700	400
0029	G-1	WOLF JOHN	SHOEMAKER SHOP	174	500			1		300	600	300
0030	F-5	WOOD JAMES	BLACKSMITH SHOP	896	2000	STEAM	18	8	1600	950	6000	5050
0030	F-2	WRIGHT JAMES	SAW MILL	251/251-S	2000			5	2160	1300	5225	3925
0030	C-4	YEANDLE THOS ?	BLACKSMITH	311	200			2	600	36	700	664
0030	A-2	ZESTER LEANDER	BLACKSMITH FORCE	896	150			2	175	100	858	175
0030	F-3	ZIEGNER GEORGE	BOOT/SHOE SHOP	174	4500	STEAM	30	9	1500	1300	2600	1300
0029	G-2	ZIMMERMAN & CO	STAVE FACTORY	251	50			1	300	9	350	341
0030	A-2	ZIMMERMAN ADAM	BLACKSMITH FORCE	896								
									2285	1406915	2573457	1054782
									882872			

STRATFORD: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	C-1	ADAMS	WAGON FCY/BLACKS	329	1000		.	3	1400	1500	3500	2000
0030	C-1	ADAMS & JOHN	TAILOR	243	5000		.	14	2500	6720	9100	2380
0030	C-3	ADAMS	MOROCCO/KID MF	172	300		.	3	600	4400	71000	2300
0030	C-5	ARGO	FLOUR MILL	105	1200	W/S	40	7	2700	49400	71000	21600
0030	C-1	BAIRD & BIRCH	PORK PACKING	101-P	9000		.	21	3600	100000	110250	10250
0030	C-4	BARKER	WILLIAM SHOE STORE	174	600		.	2	624	600	1500	900
0030	C-1	BEATTIE	BOOT/SHOE FACTOR	174	1000		.	2	800	2000	3600	1600
0030	C-1	BERRY	JOSEPH BOOT/SHOE FACTOR	174	1000		.	2	600	1200	2120	920
0030	C-5	BIRCH & SONS	TINSMITH	304-T	2500		.	4	1300	600	7000	6400
0030	C-2	BOWES & STEPPLE	SWING PUMP MF	315-P	4500	HORSE	3	2	400	600	2200	1600
0030	C-1	BRANBENBERGER W	PRESERVED MEAT	101-P	800		.	2	1612	1500	2712	1100
0030	C-1	BUCKINGHAM W	PRINTING OFFICE	289	6000		.	6	1200	3500	3500	2000
0030	C-3	CAMPBELL	FURNITURE/CABINE	261	5000	STEAM	8	5	1300	2000	6000	4000
0030	C-5	CLARK	MILLINER SHOP	249-M	.		.	2	600	1200	2600	1400
0030	C-5	CLARK J J	TAILOR SHOP	243	600		.	9	1600	5000	6600	1600
0030	C-5	COREY	T F & S PATENT MEDICINE	374	600		.	3	3270	8500	8500	5230
0030	C-5	COWEN & MCTAVIS	BLACKSMITH FORGE	896	500		.	4	400	600	2500	1900
0030	C-1	DALY	COOPERAGE	259-C	1000		.	6	2400	2200	6000	3800
0030	C-3	DONALDSON	TAILOR SHOP	242	.		.	1	.	1000	1500	500
0030	C-5	DUNN	WAGONS/BLACKSMIT	329/311	600		.	2	600	850	2500	1650
0030	C-1	DUPERS	WAGON SP/BLACKSM	329/896	700		.	4	996	900	4320	3420
0030	C-3	DUTTON	CHEMIST/DRUGGIST	374	1500		.	3	250	2000	3000	1000
0030	C-5	EASSON	SAW/PLANING MILL	251	20000	STEAM	25	40	10000	15000	27000	12000
0030	C-1	ELDER	STAVE FACTORY	251	6000	STEAM	25	26	5000	800	8500	7700
0030	C-2	ELDRIDGE	BAKERY/CONFECTIO	107	350		.	2	.	1800	25000	23200
0030	C-5	FRASER	TAILOR SHOP	243	200		.	5	500	2000	3500	1500
0030	C-5	FRASER	MILLINERY/DRESS	249-M/244	500		.	3	300	300	1000	700
0030	C-1	GIBSON	CONFECTIONERY	108-C	1200		.	3	1900	1335	6000	4665
0030	C-5	GIBSON	BAKERY	107/108-C	600		.	3	650	8000	11500	3500
0030	C-2	GIBSON	BAKERY/CONFECTIO	107/108-C	2600		.	1	400	4000	5800	1800
0030	C-5	GLENDINNING	PAINT SHOP	421-D	400		.	5	800	1150	4000	2850
0030	C-5	GORDON	MILLINERY SHOP	249-M/244	1000		.	4	720	2500	4500	2000
0030	C-2	GORDON	DRESSMAKER/MILLI	244	500		.	6	1000	4000	7500	3500
0030	C-4	HAMMER	BLACKSMITH	896	600		.	2	850	3000	5310	2310
0030	C-5	HAY	UNDERTAKING	258	250		.	1	.	200	600	400
0030	C-5	HILTON	TANNERY	172	3000	HORSE	1	5	800	2700	4500	1800
0030	C-2	HILTON	BAKERY/CONFECTIO	107	300		.	1	200	1000	1500	500
0030	C-2	HORNE & CLARK	TAILOR/MILLINER	244	3800		.	12	2000	8000	12000	4000
0030	C-4	HUMPHREY	WAGONS/BLACKSMIT	329/896	1000		.	4	500	2000	3580	1580
0030	C-5	JOHNSON	CABINETS/UPHOLST	261	3000		.	10	4000	4000	10000	6000
0030	C-2	KAPPLERBERGER	HARNESMAKER/REP	179-S	200		.	1	.	500	1000	500
0030	C-2	KNEITL	BOOT/SHOE MF	174	3500		.	4	1000	3000	6000	3000
0030	C-1	LAWSON	BOOT/SHOE FACTOR	174	3000		.	7	1872	1200	6000	4800
0030	C-3	LEAN	RODERIC AGRC MACHINE	311	4000	STEAM	3	5	1400	2800	5600	2800
0030	C-1	LEE	CHARLES TAILOR	243	1000		.	2	500	700	1500	800
0030	C-1	LYNN & GOODWIN	CARRIAGE FACTORY	329	3000		.	6	1500	2050	5194	3144
0030	C-2	MACDONALD	MILLINERY/DRESS	244	800		.	4	600	1500	2500	1000
0030	C-2	MACDONALD JAMES	FLAX SCUTCHING M	189-F	8000	STEAM	25	50	7000	.	20200	.
0030	C-1	MCAVOY & BOX	CABINET FACTORY	261	2300		.	6	1060	4800	7040	2240
0030	C-5	MCCRACKEN	FRANCIS ASHERY	378-P/376	1000		.	3	1000	500	3600	3100
0030	C-2	MCDONALD D B	CARPENTER/BUILDI	421-C	1800		.	8	3000	6000	10000	4000

ST MARYS: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	B-1	ADAIR	JOHN	AGRC IMPL/WAGON	329/311	400	.	6	1400	1500	3270	1770
0029	B-2	BAILEY	THOMAS	CABINETRY/UNDERT	261/258	500	.	3	500	1000	1700	700
0029	B-2	BARBOUR	ROBERT	CARPENTER/BUILD	421-C	800	.	6	2500	2000	4500	2500
0029	B-1	BARRON	JAMES L	COOPER SHOP	259-C	75	.	1	200	200	750	550
0029	B-1	BEATTIE	A & CO	TAILOR/MILLINERY	243/249-M	2000	.	14	2800	7200	12000	4800
0029	B-4	BEDFORD	JAMES	WEAVER/PILMAKER	182-W/374	200	.	1	500	500	1400	900
0029	B-1	BELCH A J	WILLIAM	PRINTING OFFICE	289	1100	.	4	800	400	1600	1200
0029	B-4	BLUNDELL	GINGER BEER FACT	105-S	100	100	.	2	150	115	300	185
0029	B-2	BOX & SOMERVI	FLOUR MILL	109	20000	WATER	80	7	2500	70000	75000	5000
0029	B-2	BROWN	SUSANNA	MILLINER/DRESSMA	244	400	.	6	600	1500	2600	1100
0029	B-1	BUTCHER	JOHN	COOPER SHOP	259-C	200	.	3	300	80	490	410
0029	B-1	CANHAM & WHITE	PRINTING OFFICE	289	900	900	.	2	500	300	1500	1200
0029	B-3	CARR GEORGE & CO	CARRIAGE FACTORY	329	1000	750	.	7	750	2745	6000	3255
0029	B-1	CRAIG & HAMILTO	SASH/DOOR/BLIND	254	2000	STEAM	13	5	2160	3000	5200	2200
0029	B-1	CURRIE	JOHN C	TIN/COPPER/IRONW	304-T	400	.	3	862	900	2962	2062
0029	B-2	DAY	LEWIS	BOOT/SHOEMAKER	174	2000	.	3	900	1500	3000	1500
0029	B-4	DEEDS GEORGE	COBBLER/REPAIRS	174	.	.	.	1	.	.	100	.
0029	B-2	DELEMATER	WEAVER	182-W	50	150	.	1	250	700	1200	500
0029	B-2	DUNBAR	JAMES	TAILOR	242	1000	.	1	300	1000	1600	600
0029	B-1	DUTTON & MYERS	CARDING/CLOTH MF	189-W/182	6500	STEAM	13	15	3345	9000	18000	9000
0029	B-2	EATON	JAMES & CLOTHING/MILLINE	242/249-M	600	600	.	20	3080	6500	11580	5080
0029	B-3	ELLIOT	ROBERT	HOOPSKIRT FACTOR	244	400	.	12	1246	5100	7000	1900
0029	B-2	FALCONER	JAMES	STONE QUARRY	353	200	.	3	350	600	1000	400
0029	B-4	FURNESS MRS	ALEXAND	CARPENTER SHOP	254	200	.	2	400	60	500	440
0029	B-4	GARNER	WILLIAM	SAW MILL	243	5000	STEAM	2	.	.	60	.
0029	B-3	GEMMELL	CHRISTINA	MILLINER/DRESSMA	251	200	20	14	4000	1000	6975	5975
0029	B-4	GIBB	DAVID	BLACKSMITH SHOP	896	300	.	2	200	200	460	260
0029	B-2	GILPIN	JOHN C	STOVE/TIN STORE	307-S/304-T	3000	.	2	470	250	1000	750
0029	B-1	GILPIN	R T	BOOT/SOE MF	174	1000	.	10	3000	5000	10000	5000
0029	B-1	GILPIN	WILLIAM	TIN/COPPER/IRON	304-T	200	.	7	1724	5000	8000	3000
0029	B-1	GOODBOW/MCGOULDRI	HARNES/SHOES	179-S/179-T	2000	2000	.	2	700	1000	2400	1400
0029	B-2	GRAHAM	WILLIAM	TAILOR	242	100	.	5	1800	2760	6500	3740
0029	B-4	GRAHAM	POT ASHERY	378-P	480	480	.	2	400	2000	3000	1000
0029	B-2	GREAVES	CHRISTI	MILLINER	244/249-M	100	.	2	800	900	2800	1900
0029	B-4	HAGERT	W & T	FOUNDRY/AGRC IMP	311	8000	STEAM	3	200	350	600	250
0029	B-2	HARRISON	ALEX	SADDLERY	179-S	700	.	28	9000	6350	31400	25050
0029	B-1	HERRINGTON	AMOS	CABINET MANUFACT	261	2000	.	1	250	600	900	300
0029	B-2	HUTTON WILLIAM LY	TANNERY	259-C	172	3000	STEAM	4	1500	750	3000	2250
0029	B-4	INGERSOLL CHARLES	COOPER SHOP/REPA	259-C	100	100	4	5	1000	6000	8000	2000
0029	B-4	INGERSOLL JUSTUS	TANNERY	172	1000	1000	.	2	300	70	400	330
0029	B-1	JARDINE JAMES & S	AG IMPLS/BLACKSM	311/896	200	200	.	1	350	750	1100	350
0029	B-2	JOHNSTON THOMAS	MILLINERY/DRESSM	244	400	400	.	1	400	600	1400	800
0029	B-4	KERR	SIMON R	CARPENTER/UNDERT	254/258	200	.	3	300	1000	1600	600
0029	B-4	KUNZ	JACOB	CABINET/REPAIR S	261	200	.	2	500	250	800	550
0029	B-2	LACHTE	HENRY	TRUNKMAKER	179-T	200	.	1	400	60	500	440
0029	B-2	LAIDLAW	JOHN	STONECUTTER	353	400	.	3	900	1800	4000	2200
0029	B-2	LAUGHTON	MALCOLM	MERCHANT TAILOR	242	300	.	1	300	100	400	300
0029	B-2	LESLIE	JAMES	LIME KILN/STONE	358-L/353	500	.	2	400	600	1900	1300
0029	B-1	MARLATT & MURRAY	CARPENTER/BUILD	254	400	400	.	6	1200	800	3500	2700
0029	B-2	MCCALLUM	BERTHA	DRESSMAKER	244	600	.	1	300	600	1525	925
0029	B-2						.	3	600	1000	2000	1000

ST MARYS: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	B-2	MCCORMACK JAMES	CARRIAGE SHOP	329	250			1	300	200	800	600
0029	B-1	MCDONALD JOHN	ASHERY	378-P	75			2	450	300	1300	1000
0029	B-2	MCINTOSH WILLIAM	CLOTHING/MILLINE	242/249-M	1000			11	3200	7000	10500	3500
0029	B-1	MCINTYRE GEORGE	BOOT/SHOE MF	174	1000			7	2000	2000	6000	4000
0029	B-1	MCINTYRE JAMES	TAILOR	243	40			1	120	75	280	205
0029	B-2	MCLARTY DONALD	CARRIAGES/BLACKS	329	500			4	600	1200	2000	800
0029	B-2	MCLEAN JOHN	CHEMIST/DRUGGIST	374	1000			1	400	2000	3000	1000
0029	B-1	MILLER D	WAGONS/REPAIRS	329/311	1000			8	1200	1200	4500	3300
0029	B-3	MITCHELL SAMUEL	BEEHIVE FACTORY	259	600			2	212	148	390	242
0029	B-2	MOORE JOHN & SO	FLOUR MILL	105	8000 STEAM		40	16	4000	15500	25000	9500
0029	B-2	MOORE JOHN & SO	IRON FOUNDRY	311	4000 STEAM		40	8	2000	7500	13000	5500
0029	B-2	MURPHY JOHN	BOOT/SHOE SHOP	174	2000			5	1200	2500	4620	2120
0029	B-1	MURRY MATTHEW	TAILOR	243	200			1	400	250	800	550
0029	B-4	NORRIS WILLIAM	HANDLOOM WEAVER	182-W	50			1	100	40	110	70
0029	B-4	PARKER MRS MARGAR	TAILOR	243				1			50	
0029	B-1	ROBERTSON ALEX	FLAX MILL	189-F	10000 STEAM		16	48	7000	15600	30367	14767
0029	B-2	SIMPSON GEORGE	FLOUR MILL	105	6000 WATER		50	4	1400	45000	57000	12000
0029	B-1	SMITH G B	TAILOR/MILLINERY	243/249-M	2000			26	4950	9237	17687	8450
0029	B-2	SMITH MARTIN	TANNERY	172	2250 HORSE		1	2	660	2200	3500	1300
0029	B-2	SMITH & GREIG	BREWERY	109-B	1500			2	700	2100	4160	2060
0029	B-1	STAFFORD JOSEPH	HARNES MANUFACT	179-S	500			3	600	900	3000	2100
0029	B-2	STODDART ARCHIBAL	CHEMIST/DRUGGIST	374	1000			2	400	1000	1800	800
0029	B-2	VANZANT & CURRIE	PUMP MILL/RAKE F	315-P/311	300			1	400	500	2000	1500
0029	B-2	WHITSON JAMES	STONE/MARBLE CUT	353	300			1	400	300	800	500
0029	B-2	WILLIAMS MARY	MANTLEMAKER	244	400			2	400	1200	2000	800
					=====			=====	=====	=====	=====	=====
					124220			289	90479	273640	462136	188286
								403				

MITCHELL VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0029	E-2	ABBOTT	WILLIAM	BOOT/SHOE/HARNES	174/179-S	2000	.	8	2600	3000	7000	4000
0029	E-2	AIKINS	JOHN	TANNER/CURRIER	E 172	1600	.	3	900	1600	3000	1400
0029	E-2	AIKINS	J & HILL	J FLOUR/GRIST MILL	105	3000	25	3	900	14000	16000	2000
0029	E-2	BROOKS & DAWE	BLACKSMITH/WAGON	329/896	1000	2800	.	3	1500	700	2800	2100
0029	E-2	CALE W H	TAILOR SHOP	242	50	242	.	1	300	150	600	450
0029	E-2	CLEGG	MILLINERY	249-M/244	2000	2000	.	7	600	2000	4000	2000
0029	E-2	COPPIN JOSEPH	TAILOR SHOP	242	200	200	.	2	900	250	1300	1050
0029	E-2	CUNNINGHAM JAMES	BOOT/SHOEMAKER S	174	80	80	.	3	700	1000	4000	3000
0029	E-1	DAVIS J & W R	NEWSPAPERS/PRINT	289	3000	3000	.	6	845	1700	5000	3300
0029	E-1	DAVIS BROS	PRINTING OFFICE	289	1100	1100	.	3	750	400	2000	1600
0029	E-1	EGGLETON JOHN	BAKER/CONFECTION	107/108-C	300	300	.	2	400	1872	2400	528
0029	E-2	FLAGG & BURRITT	SAW/SHINGLE MILL	251/251-S	2000	2000	18	8	1100	3200	6000	2800
0029	E-2	FORRESTER ANDREW	FLAX MANUFACTORY	189-F	7000	7000	16	24	2600	7000	10000	3000
0029	E-2	HOLLAND F	FLOUR/GRIST MILL	105	20000	20000	50	6	2000	50000	55000	5000
0029	E-1	JAMES WILLIAM	SHOEMAKER SHOP	174	100	100	.	1	400	100	700	600
0029	E-2	KEELER ROBERT	BOOT/SHOE FACTOR	174	1500	1500	.	3	1200	2000	4900	2900
0029	E-1	KEISEG ERNEST ?	BOOT/SHOE FACTOR	174	1000	1000	.	3	650	1500	3640	2140
0029	E-1	LOVE AMOS	BAKERY	107	150	150	.	1	300	780	1200	420
0029	E-2	MCINTYRE DONALD	BOOT/SHOE FACTOR	174	600	600	.	4	1200	4000	6000	2000
0029	E-2	MCMANUS & POTTS	POTASH FACTORY	378-P	500	500	.	5	720	1620	3360	1740
0029	E-3	MCPHERSON JAMES	PAINT GILDER	266	90	90	.	1	280	37	600	563
0029	E-3	MULHERON A & J	FOUNDRY/AGRC WOR	307-S/311	4500	4500	10	6	1000	1500	4000	2500
0029	E-2	MULHERON A THOMAS	TINSMITH SHOP	304-T	300	300	.	2	650	2000	3000	1000
0029	E-1	RUIN JULIA	MILLINER SHOP	249-M	100	100	.	7	.	.	.	.
0029	E-1	RUSSELL WILLIAM	TAILOR SHOP	242	40	40	.	1	300	500	400	-100
0029	E-2	SEDGWICK WILLIAM	PAINTER/DECORATO	421-D	400	400	.	3	1000	1500	3500	2000
0029	E-3	SILLS G & TAIT J	CARDING/WOOLEN F	189-W/182	3500	3500	15	3	800	10000	15000	5000
0029	E-2	SMITH JAMES	COOPERAGE	259-C	250	250	.	4	1200	1500	5000	3500
0029	E-2	SMITH JAMES	STAVE FACTORY	251	1200	1200	.	13	456	1000	2000	1000
0029	E-2	SMITH THOMAS	COOPER SHOP	259-C	170	170	.	2	300	200	700	500
0029	E-2	STEWART ANGUS	CARPENTER/JOINER	254	200	200	.	2	850	1000	2100	1100
0029	E-2	STONEMAN JOHN	JOINER SHOP	254	150	150	.	2	400	120	600	480
0029	E-2	STYLES & MCMONNI	CARRIAGE WORKS	329	8800	8800	8	17	5045	3000	12665	9665
0029	E-3	THOMPSON & WILLIA	AGRC WORKS/ENGIN	315-E/315	25000	25000	30	106	40000	50000	150000	100000
0029	E-3	THOMSON WALTER	OATMEAL MILL	105-O	3500	3500	15	6	1200	35000	37000	2000
0029	E-1	WALKINSHAW JAMES	TAILOR SHOP	243	200	200	.	3	600	1000	1900	900
0029	E-1	WILLIAMS JABEZ R	HARNESMAKER EST	179-S	500	500	.	4	1000	2500	4000	1500
0029	E-1	WILLIS H S	TAILOR SHOP	243	130	130	.	1	300	100	500	400
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										96210	207829	381865
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										187	75946	174036
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LISTOWEL VILLAGE: ALL FIRMS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0030	H	BENNEWIES	HENRY ?	179-S	600		.	3	300	300	1500	1200
0030	H	BONNER	DENTIST	391	200		.	1	.	.	600	.
0030	H	CHAPMAN & NEWMAN	SHOEMAKER SHOP	174	500		.	1	300	1000	1500	500
0030	H	CLIMIE & BILLING	FLOUR/GRIST/SAW	105/251	12000	STEAM	50	11	2069	9565	16000	6435
0030	H	DENYES NELSON G ?	BAKERY	107	400		.	1	300	1500	2625	1125
0030	H	GALLOWAY & CO	COOPER SHOP	259-C	600		.	7	400	465	.	.
0030	H	GREEN	JAMES	896	600		.	2	175	.	.	.
0030	H	HACKING	BLACKSMITH SHOP	896	7000		.	7	1300	2000	4000	2000
0030	H	HARVEY	PRINTING OFFICE	289	100		.	3	450	700	1200	500
0030	H	HAY	TAILOR SHOP	242	400		.	8	400	900	1000	100
0030	H	HAY	DAVID D CHEESE FACTORY	104	3000		.	4	1500	3000	5000	2000
0030	H	HAY	WILLIAM WAGON/CARRIAGE S	329	800	STEAM	15	1	400	150	750	600
0030	H	HEPPLER	COOPER SHOP	259 C	10000	STEAM	12	17	1800	2400	8000	5600
0030	H	HERMON & BOLTON	WOOLEN MANUFACTU	182	6000	STEAM	10	13	2500	3000	10000	7000
0030	H	HESS & CO	FURNITURE FACTOR	261	2000		.	1	400	1400	1800	400
0030	H	KEELER	RUBAND BOOT/SHOE STORE	174	150		.	1	225	.	.	.
0030	H	LEE	JAMES	179-S	1000		.	6	900	1500	2700	1200
0030	H	LITTLE	W & L CARRIAGE/WAGONMA	329	10000	STEAM	20	25	6000	11000	.	.
0030	H	LIVINGSTONE J J &	FLAX SCUTCHING M	189-F	7500	STEAM	8	11	1000	1000	4700	3700
0030	H	LOCKIE & TURNBUL	FOUNDRY/MACHINE	311	700		.	6	864	400	3000	2600
0030	H	MAYNARD	GEORGE MILLINER SHOP	249-M	600	HORSE	1	1	410	1000	1800	800
0030	H	MCILWRAITH STEWAR	TANNERY	172	200		.	1	100	200	250	50
0030	H	MCKAY	ALEXAND TAILOR SHOP	242	100		.	1	100	248	780	532
0030	H	MCKENZIE	ALEXAND TAILOR SHOP	242	1500		.	4	400	4000	6000	2000
0030	H	MCKINNEY	WILLIAM SHOEMAKER SHOP	174	100		.	3	100	800	3000	2200
0030	H	MIMNA WILLIAM ?	TAILOR SHOP	242	100		.	1	.	.	.	.
0030	H	MITCHELL	JAMES CRADLE MAKING SH	306	2000		.	4	1953	1150	4000	2850
0030	H	MORTIMER	GEORGE TINSMITH SHOP	304-T	200		.	2	100	100	400	300
0030	H	SCHLIM	HENRY HARNES SHOP	179-S	1000		.	1	200	400	700	300
0030	H	SCHNEIDER	WILLIAM TIN SHOP	304-T	600		.	3	1440	700	4800	4100
0030	H	STEINBERG	HENRY BREWERY	109-B	12000	STEAM	20	10	3000	28000	45000	17000
0030	H	TOWNER & CAMPBEL	SOLE LEATHER TAN	172	100		.	1	192	.	.	.
0030	H	TREMAN	JOHN BAKER SHOP	107	200		.	1	.	.	.	.
0030	H	WADE	JOHNSON ASHERY	378-P	200		.	1	.	.	.	.
0030	H	WALKER	THOMAS PHOTOGRAPHER	893	200		.	1	.	.	.	.
0030	H	WHITE	ALBERT MATCH MAKING	379-M	200	HORSE	1	1	.	300	.	.
					82650				=====	=====	=====	=====
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